



Product Series Manual

Contents

2nd Gen A Series - Designed for cabinet embedded applications	
Embedded Industrial Monitor	4
Embedded ARM All-in-One Panel PC	5
Embedded X86 All-in-One Panel PC	6
2nd Gen C Series - Designed for cabinet embedded applications	
Embedded ARM All-in-One Panel PC	8
2nd Gen I Series - Designed for cabinet embedded applications	
Embedded X86 All-in-One Panel PC	10
4th Gen A Series - Designed for high-tech applications	
Fashion Style Industrial Monitor	12
Fashion Style ARM All-in-One Panel PC	13
Fashion Style X86 All-in-One Panel PC	14
4th Gen C Series - Designed for high-tech applications	
Fashion Style ARM All-in-One Panel PC	16
4th Gen I Series - Designed for high-tech applications	
Fashion Style X86 All-in-One Panel PC	18
5th Gen A Series - Designed for heavy industrial machinery equipment applications	
Ruggedized Industrial Monitor	20
Ruggedized ARM All-in-One Panel PC	21
Ruggedized X86 All-in-One Panel PC	22
5th Gen I Series - Designed for heavy industrial machinery equipment applications	
Ruggedized X86 All-in-One Panel PC	24
Medical M series - Designed for smart medical equipment applications	
Medical Grade Monitor	26
Medical Grade ARM All-in-One Panel PC	27
Medical Grade X86 All-in-One Panel PC	28
Medical S series - Designed for medical mobile cart applications	
Monitor for Medical Cart	30
ARM All-in-One Panel PC for Medical Cart	31
X86 All-in-One Panel PC for Medical Cart	32
High-brightness A series - Designed for high brightness outdoors applications	
Outdoors High Brightness Monitor	34
High-brightness B series - Designed for high brightness indoors applications	
Indoors High Brightness Monitor	36

Vehicle Mounted S Series - Designed for display on special vehicle applications	
Industrial Monitor for Special Vehicle	38
ARM All-in-One Panel PC for Special Vehicle	39
X86 All-in-One Panel PC for Special Vehicle	40
Work Station Machine A Series - Designed for management of digital factories applications	
Classic ARM All-in-One PC for Workstation	42
Work Station Machine B Series - Designed for management of digital factories applications	
ARM All-in-One PC with Card Reader for Workstation	44
Work Station Machine C Series - Designed for management of digital factories applications	
ARM All-in-One PC with Code Scanner for Workstation	46
Work Station Machine D Series - Designed for management of digital factories applications	
Integrated ARM All-in-One PC for Workstation	48
Face Recognition A Series - Designed for smart city and smart security applications	
Universal Facial Recognition Terminal	50
Face Recognition D Series - Designed for smart city and smart security applications	
All-in-One Face Recognition Terminal	52
Embedded A Series - Designed for embedded installation of smart devices applications	
Built-in ARM All-in-One Panel PC	54
Open Frame C Series - Designed for HMI applications	
Open Frame ARM All-in-One Panel PC	56
Industrial Computer A Series - Designed for intelligent automation equipment applications	
New Pattern ARM Mini PC	58
Industrial Computer B series - Designed for intelligent automation equipment applications	
Classic X86 Mini PC	60
Industrial Computer C Series - Designed for intelligent automation equipment applications	
High and Strong Performance X86 Mini PC	62
High and Strong Performance ARM Mini PC	63
Industrial Computer 4U series - Designed for data management system applications	
4U Industrial PC with Display	65
4U Industrial PC	66
Industrial Motherboard Series - Designed for intelligent touch terminal device applications	
Motherboard of Industrial Monitor	68-69
ARM Architecture Motherboard	70-82
X86 Architecture Motherboard	83-86



2nd Gen A Series

Designed for Cabinet Embedded Applications

Embedded Industrial Monitor

Embedded ARM All-in-One Panel PC

Embedded X86 All-in-One Panel PC



Snap-embedded Wall-embedded Wall-mounted Desktop Louvered Cantilever-mounted Boom-mounted



High-precision Aluminum Alloy Die-casting
Industrial metal texture and anti-corrosion
and impact resistance features.



Ultra-slim Front Panel
Embedded installation is perfectly
integrated with the cabinet.



12V to 36V Wide Voltage for Power Supply
Eliminate voltage instability and harmonic
interference troubles.



Customization Available
Provide rapid product upgrades,
OEM and ODM services.

10.1/10.4/11.6/12/13.3/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: black, optional silver
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-10 °C ~60 °C	Storage temperature	-20 °C ~ 70 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



(A64 motherboard for reference.Pls refer to the actual product)

- Multi sizes and installations options
- Self-developed industrial-grade motherboard
- 3mm ultra-slim front panel
- SDK available for secondary development

10.1/10.4/11.6/12/ 13.3/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	A64 Cortex-A53 quad-core, 1.5GHz		Operating System	Android 6.0
		RK3288 Cortex-A17 Quad Core 1.8GHz			Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0
		RK3399 Six Core 64 Bit CPU, 1.8GHz			Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT
		RK3568 Quad-core 64 bit 2.0GHz			Android 12.0
		RK3588 Octa-core 64 bit 2.4GHz			Android 12.0
	Memory	2G DDR3 (4G/8G/16G optional)		WiFi	Support
	Storage	8G eMMC (16G/32G/64G/128G optional)		Bluetooth	Support
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



(J1900 motherboard for reference.Pls refer to the actual product)

- 3mm ultra-thin front panel with seamless fit
- Self-developed industrial-grade motherboard
- Flat panel, dustproof and waterproof
- Customized service available

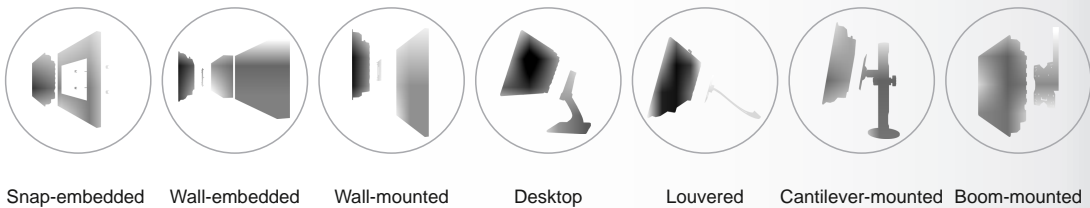
10.1/10.4/11.6/12/ 13.3/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz		Optional: Celeron J4125 Quad Core 2.0GHz	
	Memory	4G DDR3 (maximum support for 8G)		4G DDR4 (maximum support for 8G)	
	Storage	64G SSD(128G/256G/512G optional)		64G SSD(128G/256G/512G optional)	
	Integrated graphics	Intel HD Graphics		Intel HD Graphics	
	OS	Win7/10,Ubuntu/Centos/Redhat/Debian		Win10/11,Ubuntu/Centos	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



2nd Gen C Series

Designed for Cabinet Embedded Applications

Embedded ARM All-in-One Panel PC




(RK3288 motherboard for reference.Pls refer to the actual product)

- 

Pure flat frame, dustproof and waterproof. efficient cooling structure design
- 

Self-developed RK3288 high-performance motherboard
- 

High-precision aluminum alloy material
- 

Diverse expandable interfaces

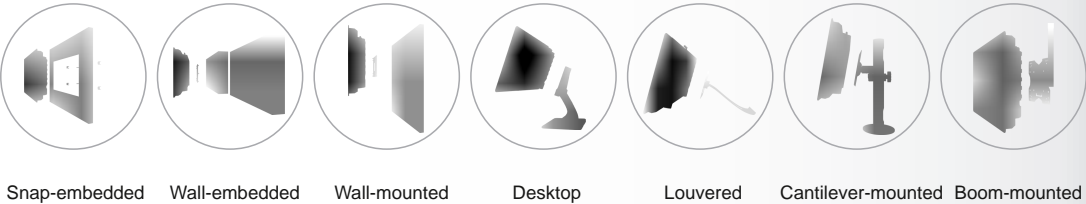
10.1/10.4/11.6/12/ 13.3/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit 1.8GHz	
	Memory	2G DDR3 (Max Support 8G)		4G DDR3 (Max Support 8G)	
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)	
	GPU	Mali-T764		Mali-T860MP4	
	OS	Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT	
	Bluetooth	Support		Support	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



2nd Gen I Series

Designed for Cabinet Embedded Applications

Embedded X86 All-in-One Panel PC



(I5 motherboard for reference.Pls refer to the actual product)

- Independent R&D of high-performance CPU
- Embedded installation and IP65 dustproof and waterproof
- Fanless design for better heat dissipation
- Multiple OS

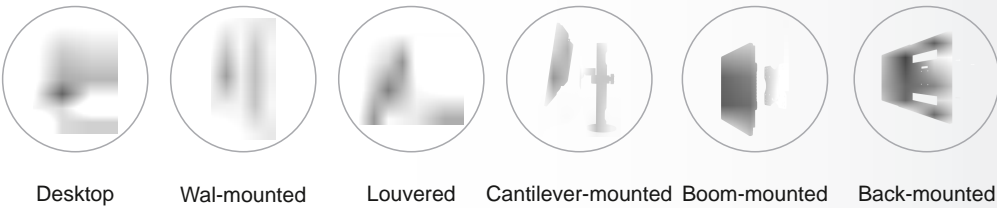
10.1/10.4/11.6/12/ 13.3/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	Intel I3-6100U/I3-8145U/I3-10110U		I5-6200U/I5-7200U/I5-8265U/I5-10210U
	Memory	4G DDR4 (MAX support 8G)		4G DDR4 (MAX support 8G)
	Storage	128G SSD(256G/512G optional)		128G SSD(256G/512G optional)
	Integrated graphics	Intel HD Graphics		Intel HD Graphics
	OS	Win7/10/11,Ubuntu/Centos		Win7/10/11,Ubuntu/Centos
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V-36V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature
	Body properties	Material: aluminum alloy, color: black, optional silver		
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



4th Gen A Series

Designed for High-tech Applications

- Fashion Style Industrial Monitor
- Fashion Style ARM All-in-One Panel PC
- Fashion Style X86 All-in-One Panel PC



- Ultra-slim Bezel Wide View Angle
Industrial aesthetic design, technological simplicity.
- Multiple installation options supported
Support desktop, wall-mounted, cantilever-mounted, boom-mounted, etc installations
- Design with space for expansion
Support multi-upgrades, such as Laser logo.
- High precision aluminium die casting
Support 12 to 36V wide voltage power supply.

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: silver, optional black
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-10 °C ~60 °C	Storage temperature	-20 °C ~ 70 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports desktop, wall mounted, louvered , cantilever-mounted, boom-mounted, back-mounted,etc		



(A64 motherboard for reference.Pls refer to the actual product)

- Stylish minimalist industrial aesthetic design
- Rich expandable interfaces
- Self-developed industrial-grade motherboard
- Industrial-grade protection suitable for different harsh environments

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	A64 Cortex-A53 quad-core, 1.5GHz		Operating System	Android 6.0
		RK3288 Cortex-A17 Quad Core 1.8GHz			Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0
		RK3399 Six Core 64 Bit CPU, 1.8GHz			Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT
		RK3568 Quad-core 64 bit 2.0GHz			Android 12.0
		RK3588 Octa-core 64 bit 2.4GHz			Android 12.0
	Memory	2G DDR3 (4G/8G/16G optional)		WiFi	Support
	Storage	8G eMMC (16G/32G/64G/128G optional)		Bluetooth	Support
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C	
	Body properties	Material: aluminum alloy, color: silver, optional black			
	Installation method	Supports desktop, wall mounted, louvered , cantilever-mounted, boom-mounted, back-mounted,etc			



(J1900 motherboard for reference.Pls refer to the actual product)

- Stylish minimalist industrial aesthetic design
- Reserved space for rapid customization and upgrade
- Self-developed industrial-grade motherboard
- Compatible with diverse OS

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz		Optional: Celeron J4125 Quad Core 2.0GHz	
	Memory	4G DDR3 (maximum support for 8G)		4G DDR4 (maximum support for 8G)	
	Storage	64G SSD(128G/256G/512G optional)		64G SSD(128G/256G/512G optional)	
	Integrated graphics	Intel HD Graphics		Intel HD Graphics	
	OS	Win7/10,Ubuntu/Centos/Redhat/Debian		Win10/11,Ubuntu/Centos	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black			
	Installation method	Supports desktop, wall mounted, louvered , cantilever-mounted, boom-mounted, back-mounted,etc			



4th Gen C Series

Designed for High-tech Applications

Fashion Style ARM All-in-One Panel PC



Desktop



Wal-mounted



Louvered



Cantilever-mounted



Boom-mounted



Back-mounted



(RK3288 motherboard for reference.Pls refer to the actual product)



Independent appearance mold, technological and stylish minimalist



Additional industrial terminals for more stable power supply and data transmission



Efficient cooling structure design



RK3288 high-performance motherboard

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit 1.8GHz
	Memory	2G DDR3 (Max Support 8G)		4G DDR3 (Max Support 8G)
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)
	GPU	Mali-T764		Mali-T860MP4
	OS	Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT
	Bluetooth	Support		Support
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature -20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports desktop, wall mounted, louvered , cantilever-mounted, boom-mounted, back-mounted,etc		



4th Gen I Series

Designed for High-tech Applications

Fashion Style X86 All-in-One Panel PC



Desktop



Wal-mounted



Louvered



Cantilever-mounted



Boom-mounted



Back-mounted



(I5 motherboard for reference.Pls refer to the actual product)



Stylish minimalist industrial aesthetic design



Industrial grade and stable operating OS



Self-developed fanless industrial grade motherboards



Reserved space for rapid customization and upgrade

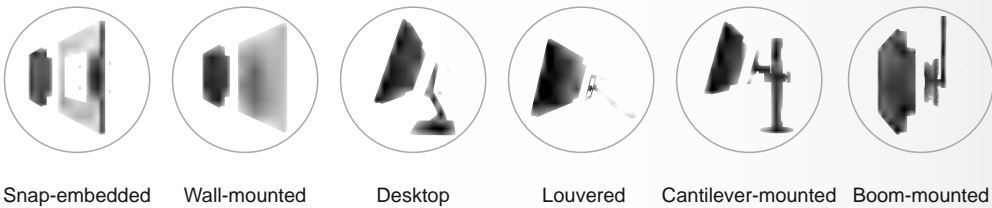
10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	Intel I3-6100U/I3-8145U/I3-10110U		I5-6200U/I5-7200U/I5-8265U/I5-10210U
	Memory	4G DDR4 (MAX support 8G)		4G DDR4 (MAX support 8G)
	Storage	128G SSD(256G/512G optional)		128G SSD(256G/512G optional)
	Integrated graphics	Intel HD Graphics		Intel HD Graphics
	OS	Win7/10/11,Ubuntu/Centos		Win7/10/11,Ubuntu/Centos
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V-36V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



5th Gen A Series

Designed for Heavy Industrial Machinery Equipment Applications

- Ruggedized Industrial Monitor
- Ruggedized ARM All-in-One Panel PC
- Ruggedized X86 All-in-One Panel PC



- HD Industrial LCD Screen
Vivid colors, wide view angle, longer service life
- High-precision Aluminum Alloy
Specially designed for heavy industry, anti-corrosion, anti-shock
- Rugged layout structure design
Stronger protection performance
- Multiple Touch Type Options
Non-touch/capacitive touch/resistive touch

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: black, optional silver
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-10 °C ~60 °C	Storage temperature	-20 °C ~ 70 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



(A64 motherboard for reference.Pls refer to the actual product)

- Internal anti-vibration and anti-interference
Interference-resistant layout design
- Industrial grade protection to suit
Multiple harsh environments
- Rich and diverse Expandable interfaces
- Robust body More protection

10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	A64 Cortex-A53 quad-core, 1.5GHz		Operating System	Android 6.0
		RK3288 Cortex-A17 Quad Core 1.8GHz			Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0
		RK3399 Six Core 64 Bit CPU, 1.8GHz			Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT
		RK3568 Quad-core 64 bit 2.0GHz			Android 12.0
		RK3588 Octa-core 64 bit 2.4GHz			Android 12.0
	Memory	2G DDR3 (4G/8G/16G optional)		WiFi	Support
	Storage	8G eMMC (16G/32G/64G/128G optional)		Bluetooth	Support
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C	
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



(J1900 motherboard for reference.Pls refer to the actual product)

- Supports 12-36V Wide voltage supply
- Self-developed industrial grade motherboard
Multiple configurations available
- Compatible with a wide range of
Operating systems
- Industrial grade protection to suit
Multiple harsh environments

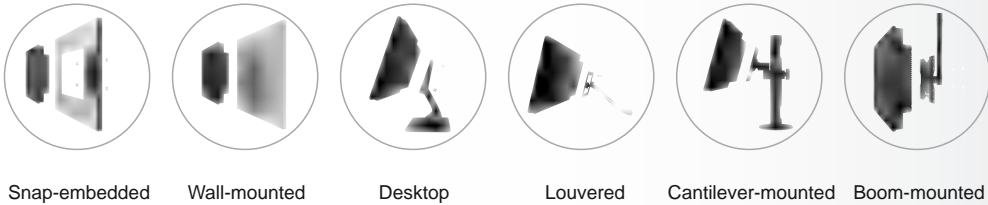
10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.					
Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz		Optional: Celeron J4125 Quad Core 2.0GHz	
	Memory	4G DDR3 (maximum support for 8G)		4G DDR4 (maximum support for 8G)	
	Storage	64G SSD(128G/256G/512G optional)		64G SSD(128G/256G/512G optional)	
	Integrated graphics	Intel HD Graphics		Intel HD Graphics	
	OS	Win7/10, Ubuntu/Centos/Redhat/Debian		Win10/11, Ubuntu/Centos	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



5th Gen I Series

Designed for Heavy Industrial Machinery Equipment Applications

Ruggedized X86 All-in-One Panel PC



(I5 motherboard for reference.Plis refer to the actual product)

- Self-developed X86 architecture with fanless industrial motherboard
- Efficient cooling structure design and more stable operation
- High-performance CPU with various configuration options
- Diverse expandable interfaces

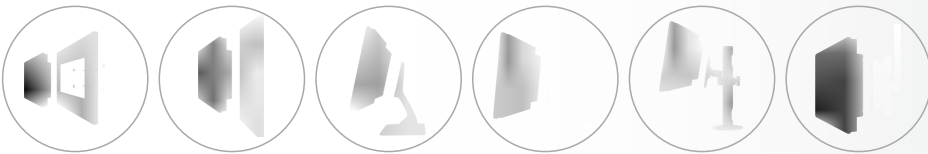
10.1/10.4/11.6/12/15/15.6/17/17.3/19/19.1/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit 1.8GHz
	Memory	2G DDR3 (Max Support 8G)		4G DDR3 (Max Support 8G)
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)
	GPU	Mali-T764		Mali-T860MP4
	OS	Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT
	Bluetooth	Support		Support
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature -20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver		
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



Medical M Series

Designed for Smart Medical Equipment Applications

- Medical Grade ARM All-in-One Panel PC
- Medical Grade Monitor
- Medical Grade X86 All-in-One Panel PC



Snap-embedded Wall-mounted Desktop Louvered Cantilever-mounted Boom-mounted



Passed Medical Report: EN60601-1-2:2015/A1:2021

- Higher standard touch screen supporting touching with water and wearing medical gloves
- Stronger protection performance with waterproof rubber gaskets
- Industrial-grade flame-proof,explosion-proof and moisture-proof motherboard
- ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard

7/8/10.1/10.4/11.6/12/15/15.6/17/19/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: white, optional black
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-20 °C ~ 70 °C	Storage temperature	-30 °C ~ 80 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



Passed Medical Report: EN60601-1-2:2015/A1:2021



Higher standard touch screen supporting touching with water and wearing medical gloves.



ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard.



SDK available for secondary development

7/8/10.1/10.4/11.6/12/15/15.6/17/19/21.5 inch are available and optional, more sizes can be customized.

Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit CPU, 1.8GHz	
	Memory	2G DDR3 (MAX support 8G)		4G DDR3 (MAX support 8G)	
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)	
	GPU	Mali-T764		Mali-T860MP4	
	OS	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT	
	Bluetooth	Support		Support	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-20 °C ~ 70 °C	Storage temperature	-30 °C ~ 80 °C	
	Body Properties	Material: aluminum alloy, color: white, optional black			
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc			



Passed Medical Report: EN60601-1-2:2015/A1:2021



Higher standard touch screen supporting touching with water and wearing medical gloves.



Stronger protection performance with waterproof rubber gaskets



ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard.

7/8/10.1/10.4/11.6/12/15/15.6/17/19/21.5 inch are available and optional, more sizes can be customized.

Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz	Optional: Celeron J4125 Quad Core 2.0GHz	
	Memory	4G DDR3 (maximum support for 8G)	4G DDR4 (maximum support for 8G)	
	Storage	64G SSD(128G/256G/512G optional)	64G SSD(128G/256G/512G optional)	
	Integrated graphics	Intel HD Graphics	Intel HD Graphics	
	OS	Win7/10,Ubuntu/Centos/Redhat/Debian	Win10/11,Ubuntu/Centos	
	WiFi	Support dual band wifi	Support dual band wifi	
	Power input	12V-36V power input	12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation Temperature	-20 °C ~ 70 °C	Storage temperature	-30 °C ~ 80 °C
	Body Properties	Material: aluminum alloy, color: white, optional black		
	Installation method	Supports snap-embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



Medical S Series

Designed for Medical Mobile Cart Applications

- ARM All-in-One Panel PC for Medical Cart
- Monitor for Medical Cart
- X86 All-in-One Panel PC for Medical Cart



Ball head bracket installation Wall-mounted Installation Cantilever-mounted Installation



Passed Medical Report: EN60601-1-2:2015/A1:2021

- Front convex buttons with dustproof, waterproof and non-slip features
- Aviation interface design: dust-proof, waterproof, oil-proof, vibration-proof and fall-off prevention
- Higher standard touch screen supporting touching with water and wearing medical gloves
- Industrial-grade flame-proof, explosion-proof and moisture-proof motherboard
- 12V to 36V wide voltage for power avoiding harmonic interference
- ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard

10.1 inch, more sizes can be customized.					
Basic Parameters	CPU	RTD2513		Screen size	10.1
	Menu language	Multi language (default English)		Resolution ratio	1280*800
	Video input	PC-RGB:Format (Format) Up to 1920*1080@60HZ		Visible area	135.36(H) X216.576(V) mm
		PC-RGB:Color (colour) 16bit, 24bit, 32bit		Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Interface	Touch interface	1*waterproof airline head (GX12-4 pin)		VGA	1*waterproof airline head (GX20-15 pin)
	DC port	1*waterproof airline head (GX12-3 pin), supports 12V~36V wide voltage power supply			
Other Parameters	Body properties	Material: aluminium alloy, Colour: medical white, optional black			
	Operation temperature	-20 °C ~ 70 °C		Storage temperature	-30 °C ~ 80 °C
	Static power	18W		Power input	12V - 36V power input
	Installation method	Supports ball mount, wall mount, cantilever, etc.		Warranty policy	Three years (one year full free warranty)



Passed Medical Report: EN60601-1-2:2015/A1:2021



Anti-vibration, anti-interference and anti-static radiation layout structure design



Self-developed industrial-grade motherboard with multiple configuration options



ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard

10.1 inch, more sizes can be customized.					
Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit CPU, 1.8GHz	
	Memory	2G DDR3 (MAX support 8G)		4G DDR3 (MAX support 8G)	
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)	
	GPU	Mali-T764		Mali-T860MP4	
	OS	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT	
	Bluetooth	Support		Support	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-20 °C ~ 70 °C		Storage temperature	-30 °C ~ 80 °C
	Body properties	Material: aluminum alloy, color: white, optional black			
	Installation method	Supports ball mount, wall mount, cantilever, etc.			



Passed Medical Report: EN60601-1-2:2015/A1:2021



Sensitive touch screen supporting touching with water and wearing medical gloves



12V to 36V wide voltage for power input



ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard

10.1 inch, more sizes can be customized.					
Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz		Optional: Celeron J4125 Quad Core 2.0GHz	
	Memory	4G DDR3 (maximum support for 8G)		4G DDR4 (maximum support for 8G)	
	Storage	64G SSD(128G/256G/512G optional)		64G SSD(128G/256G/512G optional)	
	Integrated graphics	Intel HD Graphics		Intel HD Graphics	
	OS	Win7/10,Ubuntu/Centos/Redhat/Debian		Win10/11,Ubuntu/Centos	
	WiFi	Support dual band wifi		Support dual band wifi	
	Power input	12V-36V power input		12V-36V power input	
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB			Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
				Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-20 °C ~ 70 °C		Storage temperature	-30 °C ~ 80 °C
	Body properties	Material: aluminum alloy, color: white, optional black			
	Installation method	Supports ball mount, wall mount, cantilever, etc.			



High Brightness A Series

Designed for High Brightness Outdoors Applications

Outdoor High Brightness Monitor



- Optical Bonding Process**
Effectively prevent the screen from fogging, and the display effect is clear and beautiful.
- Ultra-slim Front Panel**
Embedded installation is perfectly integrated with the cabinet.
- Anti-UV Touch Screen**
Support wide temperature -20 °C ~ -70 °C operation.
- Adjustable Brightness**
Support switch between auto light sensor and manual button adjustment

7/8/10.1/10.4/11.6/12/15/17/19/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: black, optional silver
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-20 °C ~ 70 °C	Storage temperature	-30 °C ~80 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



High Brightness B Series

Designed for High Brightness Indoors Applications

Indoors High Brightness Monitor



Snap-embedded Wall-embedded Wall-mounted Desktop Louvered Cantilever-mounted Boom-mounted



High light and auto-sensitive functions, one-touch toggle switch



TOUCH HDMI DVI VGA Audio I/O DC GND



Adjustable Brightness

Support switch between auto light sensor and manual button adjustment



Wide Temperature Touch Screen

Support wide temperature -20 °C ~70 °C operation.



Ultra-slim Front Panel

Embedded installation is perfectly integrated with the cabinet.



Wide Voltage for Power Supply

Support 12V to 36V wide voltage for power supply

7/8/10.1/10.4/11.6/12/15/15.6/17/17.3/19/21.5/23.8 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	RTD2513/RTD2556	Body properties	Material: aluminum alloy, color: black, optional silver
	Menu language	Multi language (default English)	Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	Non-touch Light transmittance: ≥ 92%
Interface	DC port	1*DC2.1(DC 12-36V)		
	HDMI	High-definition audio digital signal transmission, support HDMI data input		
	VGA	Analog signal transmission, support VGA best resolution		
	DVI	Digital signal transmission, support the best resolution of DVI digital signal		
	Touch interface	RJ45 interface standard (defined as USB), compatible to capacitive/resistive touch		
	Headphone port	35mm standard interface		
Other Parameters	Operation temperature	-20 °C ~ 70 °C	Storage temperature	-30 °C ~80 °C
	Power input	12V-36V power input	Warranty policy	Three years (one year full free warranty)
	Installation method	Supports snap-embedded, wall embedded, wall mounted, desktop, louvered, cantilever-mounted, boom-mounted, etc		



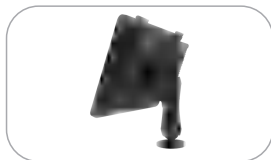
Vehicle Mounted S Series

Designed for Display on Special Vehicle Applications

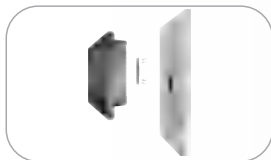
ARM All-in-One Panel PC for Special Vehicle

Industrial Monitor for Special Vehicle

X86 All-in-One Panel PC for Special Vehicle



Ball head bracket installation



Wall-mounted Installation



Cantilever-mounted Installation



Dustproof, waterproof and non-slip front convex buttons



Dust-proof, water-proof, oil-proof, shock-proof, drop-proof aviation interface



12V to 36V wide voltage for power avoiding harmonic interference



7*24 hours of uninterrupted and stable operation



Industrial-grade flame-proof, explosion-proof and moisture-proof motherboard



ESD: ±8KV~±15KV and reach EMI/EMC anti-interference standard

10.1 inch, more sizes can be customized.					
Basic Parameters	CPU	RTD2513		Screen size	10.1
	Menu language	Multi language (default English)		Resolution ratio	1280*800
	Video input	PC-RGB:Format (Format) Up to 1920*1080@60HZ		Visible area	135.36(H) X216.576(V) mm
		PC-RGB:Color (colour) 16bit, 24bit, 32bit		Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		Non-touch Light transmittance: ≥ 92%
Interface	Touch interface	1*waterproof airline head (GX12-4 pin)		VGA	1*waterproof airline head (GX20-15 pin)
	DC port	1*waterproof airline head (GX12-3 pin), supports 12V~36V wide voltage power supply			
Other Parameters	Body properties	Material: aluminum alloy, color: black, optional silver			
	Operation temperature	-10 °C ~ 60 °C		Storage temperature	-20 °C ~ 70 °C
	Static power	18W		Power input	12V - 36V power input
	Installation method	Supports ball mount, wall mount, cantilever, etc.		Warranty policy	Three years (one year full free warranty)



(RK3288 motherboard for reference.Plis refer to the actual product)

- Front convex buttons with dustproof, waterproof and non-slip features
- Aviation interface design: dust-proof, waterproof, oil-proof, vibration-proof and fall-off prevention
- self-developed industrial-grade motherboard compatible with 99% of industry softwares

10.1 inch, more sizes can be customized.				
Basic Parameters	CPU	RK3288 Cortex-A17 Quad Core 1.8GHz		RK3399 Six Core 64 Bit CPU, 1.8GHz
	Memory	2G DDR3 (MAX support 8G)		4G DDR3 (MAX support 8G)
	Storage	16G eMMC(optional 32G)		32G eMMC(optional 64G)
	GPU	Mali-T764		Mali-T860MP4
	OS	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0		Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT
	Bluetooth	Support		Support
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V-36V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver		
	Installation method	Supports ball mount, wall mount, cantilever, etc.		



(J1900 motherboard for reference.Plis refer to the actual product)

- Front convex buttons with dustproof, waterproof and non-slip features
- Aviation interface design: dust-proof, waterproof, oil-proof, vibration-proof and fall-off prevention
- 12V to 36V wide voltage for power input and multiple power supply options

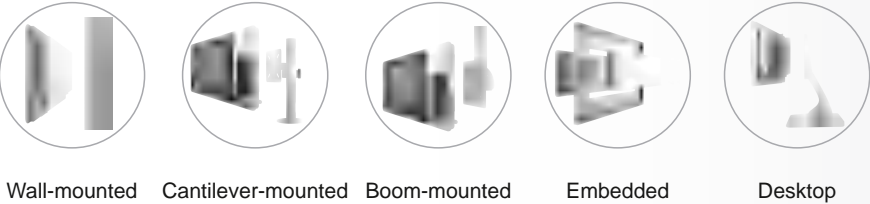
10.1 inch, more sizes can be customized.				
Basic Parameters	CPU	Intel Celeron J1900 Quad Core 1.99GHz		Optional: Celeron J4125 Quad Core 2.0GHz
	Memory	4G DDR3 (maximum support for 8G)		4G DDR4 (maximum support for 8G)
	Storage	64G SSD(128G/256G/512G optional)		64G SSD(128G/256G/512G optional)
	Integrated graphics	Intel HD Graphics		Intel HD Graphics
	OS	Win7/10, Ubuntu/Centos/Redhat/Debian		Win10/11, Ubuntu/Centos
	WiFi	Support dual band wifi		Support dual band wifi
	Power input	12V-36V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: black, optional silver		
	Installation method	Supports ball mount, wall mount, cantilever, etc.		



Work Station Machine A Series

Designed for Management of Digital Factories Applications

Classic ARM All-in-One PC for Workstation



- Independent appearance mold with high-precision aluminum alloy structure
- One-of-a-kind identification method
- External alarm light device available
- Self-developed mother-board supporting upgrades and customization

10.1 inch, more sizes can be customized.				
Hardware Parameters	Processors	Standard: RK3288 Cortex-A17 quad-core, 1.8GHz Optional: RK3399 Hexa-core 64-bit CPU, 1.8GHz	Systems	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0
	GPU	Mali-T764GPU	Network	10M/100M/1000M Adaptive Ethernet, wifi, 3G/4G support
	Memory	2G DDR3 (4G optional)	WiFi / Bluetooth	Supports dual band WiFi and Bluetooth
	Storage	16G eMMC (8G/32G/64G optional)	Optional upgrades available	ID card reader
	Card Readers	13.56MHZ Card Reader		LED alarm indicator
	Camera	100W HD camera		Bar code scanning module (scanning 1D/2D codes, entering information)
	LED indicator	Red/green/blue (combination)		HDMI input module
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports Wall-mounted,Cantilever-mounted,Boom-mounted,Embedded,Desktop,etc		



Work Station Machine B Series

Designed for Management of Digital Factories Applications

ARM All-in-One PC with Card Reader for Workstation



Wall-mounted



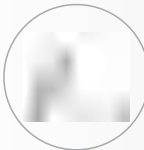
Desktop



Cantilever-mounted



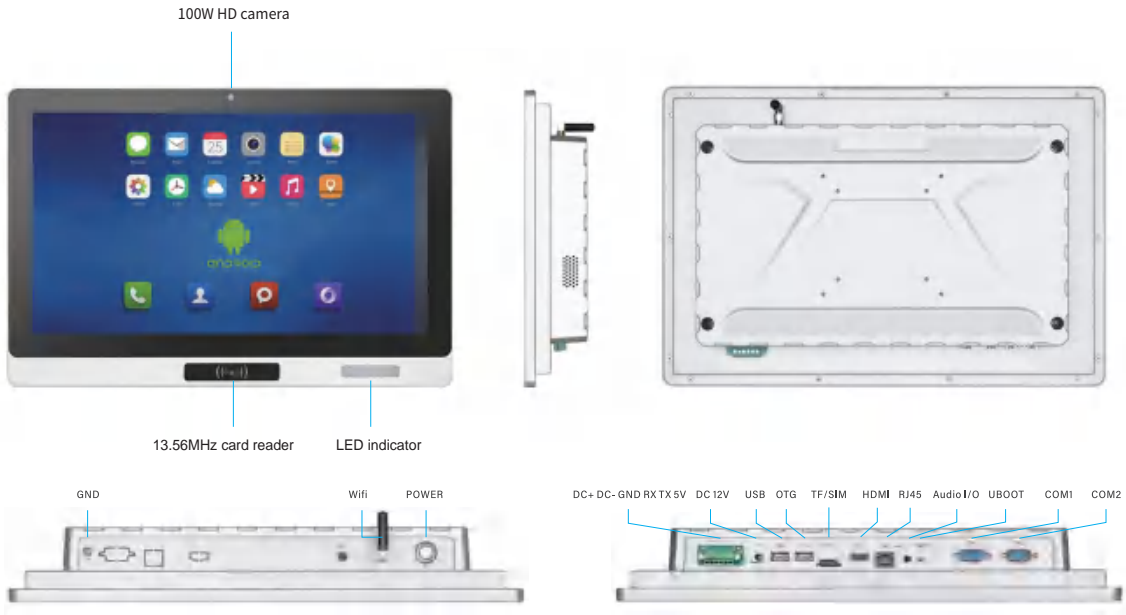
Boom-mounted



Louvered



Back-mounted



Compatible with various MES software systems



Support NFC read and write, identification authority



Product status at a glance with LED indicator light



SDK available and supporting upgrades and customization.

10.1/11.6/15.6/21.5 inch are available and optional, more sizes can be customized.

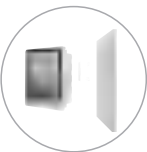


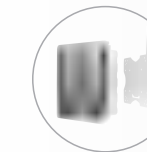
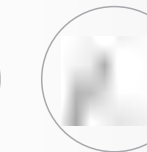

Hardware Parameters	Processors	Standard: RK3288 Cortex-A17 quad-core, 1.8GHz	GPU	Mali-T764GPU Dual-core ultra-high performance GPU with HDMI 4K output
		Optional: A64 Cortex-A53 quad-core 64-bit CPU,1.5GHz		
		Optional: RK3399 Hexa-core 64-bit CPU,1.8GHz		
	Memory	2G DDR3 (4G optional)	WiFi / Bluetooth	Supports dual band WiFi and Bluetooth
	Storage	16G eMMC (8G/32G/64G optional)	Systems	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0
	Card Readers	13.56MHZ Card Reader	Network	10M/100M/1000M Adaptive Ethernet, wifi, 3G/4G support
	Camera	100W HD camera	Other	GPS, MIC optional
	LED indicator	Red/green/blue (combination)	Bar code scanning modules	Bar code scanning module (scanning 1D/2D codes, entering information)
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports wall-mounted, desktop, cantilever, boom-mounted, louvered, back-mounted, etc.		

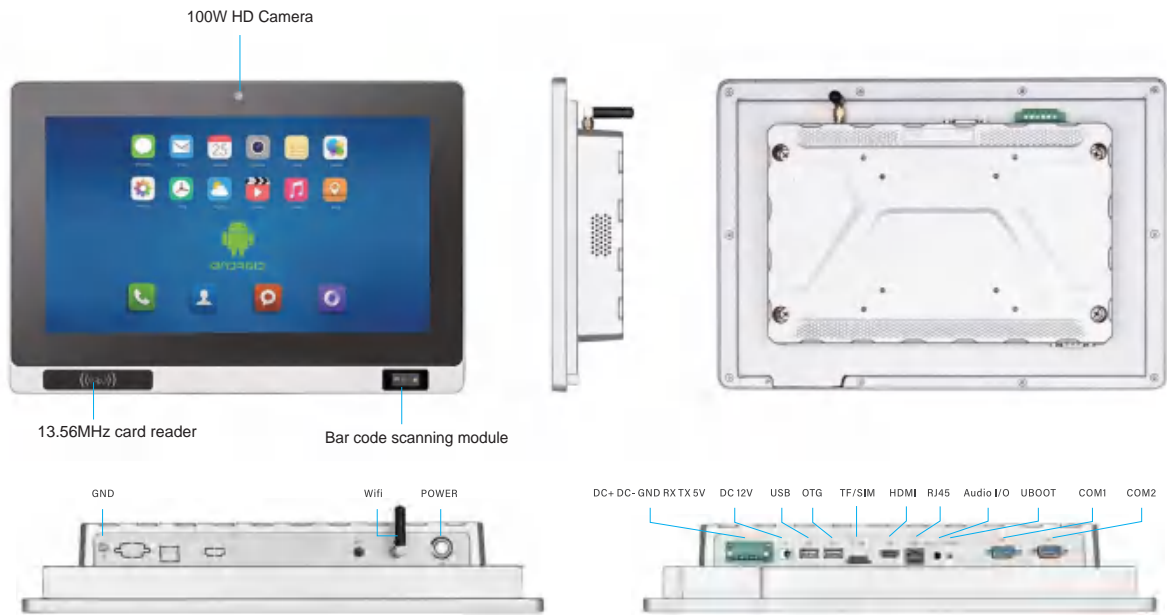


Work Station Machine C Series

Designed for Management of Digital Factories Applications

ARM All-in-One PC with Code Scanner for Workstation

- 
Wall-mounted
- 
Desktop
- 
Cantilever-mounted
- 
Boom-mounted
- 
Louvered
- 
Back-mounted



Support NFC read and write, identification authority



High-precision barcode scanning for easy information entry



Self-developed motherboard supporting upgrades and customization

10.1/11.6/15.6/21.5 inch are available and optional, more sizes can be customized.				
Hardware Parameters	Processors	Standard: RK3288 Cortex-A17 quad-core, 1.8GHz	GPU	Mali-T764GPU Dual-core ultra-high performance GPU with HDMI 4K output
		Optional: A64 Cortex-A53 quad-core 64-bit CPU,1.5GHz		
		Optional: RK3399 Hexa-core 64-bit CPU,1.8GHz	Systems	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0
	Memory	2G DDR3 (4G optional)	Network	10M/100M/1000M Adaptive Ethernet, wifi, 3G/4G support
	Storage	16G eMMC (8G/32G/64G optional)	3G/4G modules	Support for Mobile, Unicom and Telecom (optional)
	Card Readers	13.56MHZ Card Reader	WiFi / Bluetooth	Supports dual band WiFi and Bluetooth
	Camera	100W HD camera	Other	GPS, MIC optional
	Bar code scanning modules	Built-in barcode scanning module		LED indicator: red/green/blue (combination) optional
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports wall-mounted, desktop, cantilever, boom-mounted, louvered, back-mounted, etc.		



Work Station Machine D Series

Designed for Management of Digital Factories Applications

Integrated ARM All-in-One PC for Workstation



NFC card reader Horn Alarm light (optional) 100W camera LED indicator Horn Bar code scanning module (optional)

RS232 DC USB OTG TF/SIM HDMI RJ45 Audio UBOOT Reserved interface for alarm lights Power on button

Aluminum alloy housing with efficient heat dissipation structure

NFC card reader recognition
Can be upgraded to ID card recognition

External alarm light device available

Multiple function upgrade options

11.6 inch, more sizes can be customized.				
Hardware Parameters	Processors	Standard: RK3288 Cortex-A17 quad-core, 1.8GHz	GPU	Mali-T764GPU Dual-core ultra-high performance GPU with HDMI 4K output
		Optional: A64 Cortex-A53 quad-core 64-bit CPU,1.5GHz	Systems	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0
		Optional: RK3399 Hexa-core 64-bit CPU,1.8GHz		
	Memory	2G DDR3 (4G optional)	Network Support	10M/100M/1000M Adaptive Ethernet, wifi, 3G/4G support
	Storage	16G eMMC (8G/32G/64G optional)	3G/4G modules	Support for Mobile, Unicom and Telecom (optional)
	Card Readers	13.56MHZ Card Reader	WiFi / Bluetooth	Supports dual band WiFi and Bluetooth
	Camera	100W HD camera	Other	GPS, MIC optional
	Bar code scanning modules	Built-in barcode scanning module	LED indicator	Red/Green/Blue (combination)
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
			Non-touch Light transmittance: ≥ 92%	
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports wall-mounted,boom-mounted,cantilever-mounted,column-mounted,desktop, etc.		



Face Recognition A Series

Designed for Smart City and Smart Security Applications

Universal Facial Recognition Terminal



Column-mounted Installation



Desktop Installation



Wall-mounted Installation

200W Dual Vision HD IR Camera

LED fill light

LED fill light

Temperature measurement modules

8" capacitive touch screen

NFC/RFID/ID card readers etc.

Infrared sensor module

Bar code scanning module

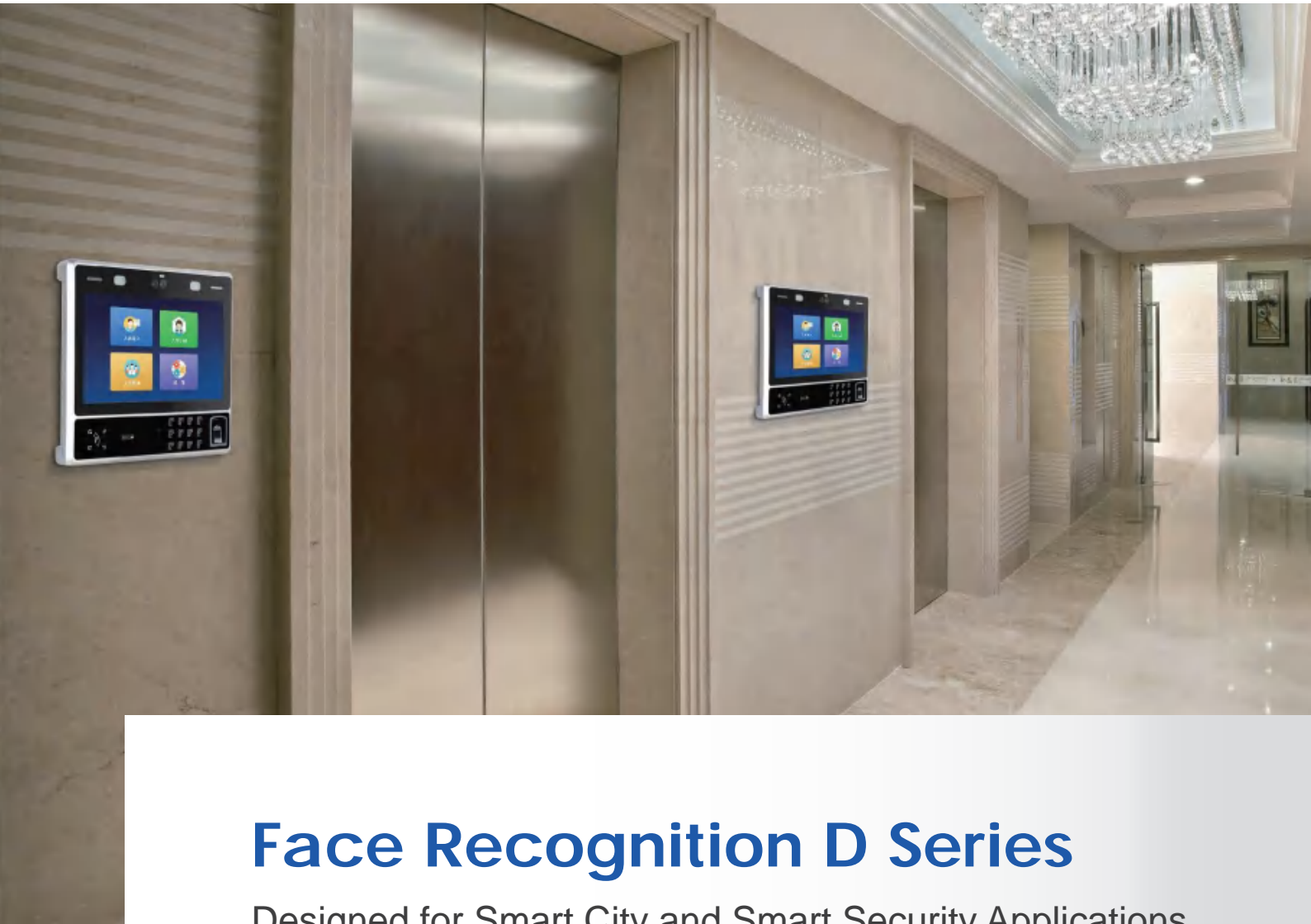
Pure flat front panel up to IP65 dust and water resistance rating

Independent appearance mold, exquisite and compact housing with industrial grade

Multiple functional module combination options, compatible with various identification methods

SDK available for secondary development, upgrades and customization

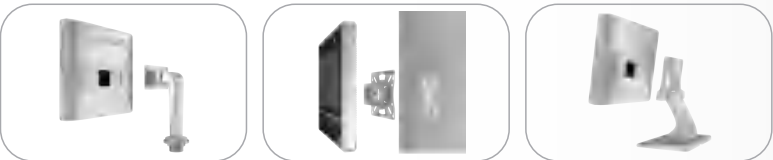
8 inch, more sizes can be customized.					
Function Parameters	Camera	200W pixel wide dynamic binocular camera (optional monocular camera)		Temperature measurement modules	Infrared thermopile sensor, external binocular camera
		Recognition distance 0.5m, supports live detection		Temperature detection	Operating ambient temperature: 0-40°C, measuring temperature range 35-39°C
	LED fill light	White light, RGB camera fill light source, control interface available in SDK		Infrared sensor module	Automatic wake-up call for human proximity, effective recognition of linear distance of 1M, automatic hibernation
	IC Card Readers	13.56MHz, IC card reader (ISO14443-A, ISO14443-B), read only		Scanning Module	1D/2D code reader with added information entry
Hardware Parameters	Processors	RK3288 quad-core 32-bit CPU,1.8G main frequency		System	Android 7.1/10.0
	Memory	2G DDR3 (4G optional)		GPU	ARM Mali-T764 GPU
	Storage	16G eMMC (8G/32G/64G optional)		Wifi/Bluetooth	Supports Wifi and Bluetooth
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB			Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
Connectors Parameters	DC port	1*DC 2.0		RJ45 Ethernet	1*10M/100M Ethernet
	USB-OTG	1*typeA		Relay terminals	1
	Wegen Output	1* [Wegen interface supporting 26-bit and 34-bit formats etc.]		RS485	1*RS485 [half duplex communication, transmission distance >100m]
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Body Properties	Material: aluminium alloy, Colour: silver, optional black
	Storage temperature	-20 °C ~70 °C		Warranty Policy	Three years (one year free warranty)
	Power input	12V power input		Mounting method	Supports gates vertical, desktop, wall mounted etc.



Face Recognition D Series

Designed for Smart City and Smart Security Applications

All-in-One Face Recognition Terminal



Column-mounted Installation

Wall-mounted Installation

Desktop Installation



- Binocular HD camera and wide dynamic liveness detection technology
- Independent R&D of face recognition motherboard
- High specification industrial LCD screen with sensitive and efficient touch
- Multiple functional module combination options, compatible with various identification methods

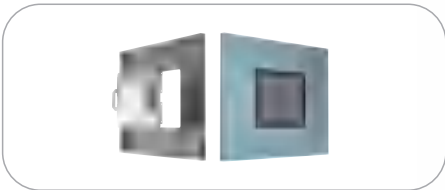
11.6 inch, more sizes can be customized.				
Function Parameters	Camera	200W pixel wide dynamic binocular camera (optional monocular camera) Recognition distance 0.5m, supports live detection	Temperature measurement modules Temperature detection	Infrared thermopile sensor, external binocular camera Operating ambient temperature: 0-40°C, measuring temperature range 35-39°C
	LED fill light	White light, RGB camera fill light source, control interface available in SDK	Infrared sensor module	Automatic wake-up call for human proximity, effective recognition of linear distance of 1M, automatic hibernation
	Touch keys	Ten point touch keys	Scanning Module	1D/2D code reader with added information entry
	IC Card Readers	13.56MHz, IC card reader (ISO14443-A, ISO14443-B), read only	Fingerprints	Fingerprint collectors
Hardware Parameters	Processors	RK3399 Hexa-core 64-bit high performance CPU,1.8GHz	System	Android 7.1/9.0
	Memory	4G DDR3 (2G/8G optional)	GPU	ARM Mali-T764 GPU
	Storage	32G eMMC (8G/16G/64G optional)	Wifi/Bluetooth	Supports WiFi and Bluetooth
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Connectors Parameters	DC port	1*DC 2.0	RJ45 Ethernet	1 x 10M/100M Ethernet
	USB-OTG	1*typeA	Relay terminals	1
	Wegen Output	1* [Wegen interface supporting 26-bit and 34-bit formats etc.]	RS485	1*RS485 [half duplex communication, transmission distance >100m]
Baffle interface	<div>DC RJ45 HDMI OTG USB USB TF/SIM Audio RJ45 UBOOT</div>			
Others	Body Properties	Material: aluminium alloy, Colour: silver, optional black	Installation method	Supports gates vertical, wall-mounted, desktop, etc.



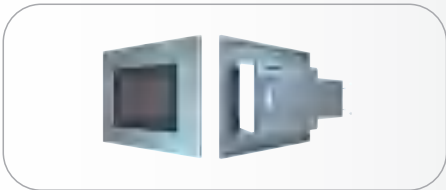
Embedded A Series

Designed for Embedded Installation of Smart Devices Applications

Built-in ARM All-in-One Panel PC



Embedded installation with iron sheet



Back-mounted Installation

Built-in ARM All-in-One Panel PC



(A64 motherboard for reference.Pls refer to the actual product)



High-precision aluminum alloy material ensuring the light wholeset



Strip cooling holes for efficient heat dissipation

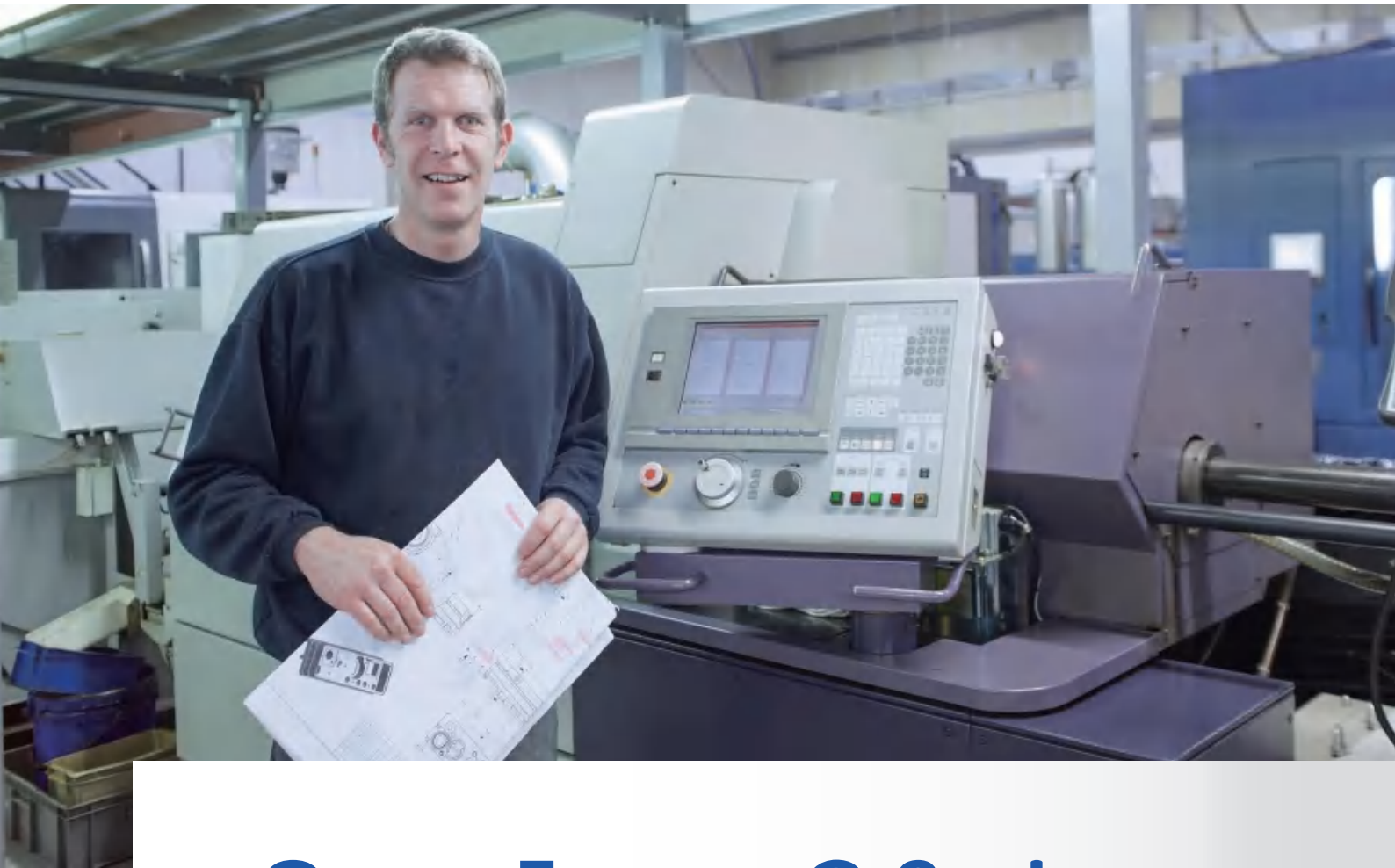


Self-developed main board provides SDK package



Rich interfaces expansion available

10.1/15/21.5 inch are available and optional, more sizes can be customized.				
Basic Parameters	CPU	A64 Cortex-A53 quad-core, 1.5GHz		RK3288 Cortex-A17 Quad Core 1.8GHz
	Memory	2G DDR3 (4G/8G optional)		2G DDR3 (4G/8G optional)
	Storage	8G eMMC (16G/32G optional)		32G eMMC (8G/16G/64G optional)
	GPU	Mali-T764		Mali-T764
	OS	Android 6.0		Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0
	Bluetooth	Support		Support
	WiFi	Support wifi		Support dual band wifi
	Power input	12V power input		12V-36V power input
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB	
	Non-touch Light transmittance: ≥ 92%			
Other Parameters	Operation temperature	-10 °C ~ 60 °C		Storage temperature
	Body properties	Material: aluminum alloy, color: silver, optional black		
	Installation method	Supports Embedded installation with iron sheet, Back-mounted installation etc		



Open Frame C Series

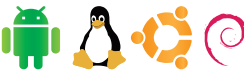
Designed for HMI Applications

Open Frame ARM All-in-One Panel PC



Open frame installation

Open Frame ARM All-in-One Panel PC



Capacitive 10-point touch screen



Independent R&D of ARM motherboard with smooth human-computer interaction experience



12V~36V wide voltage power input



Integrated Ethernet/WIFI/Bluetooth



API code and SDK for development & customization available



7*24 hours uninterrupted and stable operation



Rich and diverse expandable interfaces

7/8/10.1/11.6 inch are available and optional, more sizes can be customized.

Hardware parameters	CPU	Standard：RK3288 Cortex-A17 Quad Core CPU 1.8GHz		Interface	HDMI: 1*HDMI data output, up to 4K
		Optional: RK3399 Six Core 64 Bit CPU, 1.8GHz			USB2.0*8
	Video Cards	Mali-T764GPU Dual-core ultra-high performance GPU with HDMI 4K output			RJ45 Ethernet: 1*1000M single network
	Memory	2G DDR3 (4G8G optional)			SD/TF: Support
	Storage	Standard: 16G eMMC (8G/32G/64G optional)			Headset holder: 3.5mm standard connector
	OS	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0			SMI card: SIM card interface Standard interface
	WiFi/BT	Support dual band wifi, bluetooth			RS232*3
Touch Screen	Capacitive Touch Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB		Resistive Touch Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB		GPIO*8
					Non-touch Light transmittance: ≥ 92%
Other Parameters	Operation temperature	-10 °C ~ 60 °C	Storage temperature	-20 °C ~ 70 °C	
	Body properties	Material: aluminum alloy, color: black, optional silver			
	Installation method	Flexible and diverse open installation			



Industrial Computer A Series

Designed for Intelligent Automation Equipment Applications

New Pattern ARM Mini PC

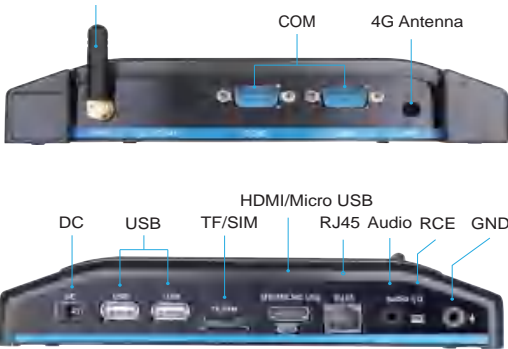


Rack-mounted installation



Desktop installation

New Pattern ARM Mini PC



(A64 motherboard for reference.Pls refer to the actual product)



Rich and diverse expandable interfaces



Highly integrated Ethernet/WIFI/Bluetooth



Desktop, wall-mounted etc installation



Fanless fully enclosed design with low power consumption



Independent R&D of ARM motherboard supporting 7*24 hours stable operation



API code and SDK for development & customization available

Main hardware parameters			
CPU	Optional: A64 Cortex-A53 quad-core, 1.5GHz;	Power supply method	12V-2.5A external power adapter
	Optional: RK3288 Cortex-A17 Quad Core 1.8GHz	Power supply performance	100-240V , 50-60hz
	Optional: RK3399 Six Core 64 Bit 1.8GHz	Power on	Support
Memory	2G DDR3, upgradeable to 4G/8G/16G DDR3	Operating temperature	-20 C -65 C
Storage	8G eMMC, upgradeable to 16G/32G/64G eMMC	Storage temperature	-40 C -80 C
Display chips	Mali400MP2 Dual Core	Humidity	20%-95% (non-condensing relative humidity)
Playback mode	Supports a variety of playback modes such as loop, timer and interpolation	Impact resistance	10g acceleration, 11ms cycle
		Anti-interference	EMI/EMC interference detection standard
Network Support	Ethernet, WIFI/Bluetooth support, wireless peripheral expansion	Playback mode	Supports a variety of playback modes such as loop, timer and interpolation
OS	Android 6.0 (optional Android 7.1/9.0/10.1, Linux, Ubuntu, Debian)	Chassis structure	The aluminum alloy on the chassis surface has good seismic resistance and impact resistance
WIFI- BT	Support wifi, bluetooth	Dimensions	199 * 1581 * 42 (length * width * height)
Image format	Support for BMP, JPEG, PNG, GIF	Overall weight	1.0KG
USB 2.0	2*USB HOST cradle, 1*a MICRO USB(OTG)	Display output	HDMI supports up to 4K 3840 * 2160
Serial port	2*232 serial ports, 422/485 optional	Installation method	Supports rack and desktop installation
3G/4G	All-net,support for data voice calls (optional depending on 4G module selection)		



Industrial Computer B Series

Designed for Intelligent Automation Equipment Applications

Classic X86 Mini PC

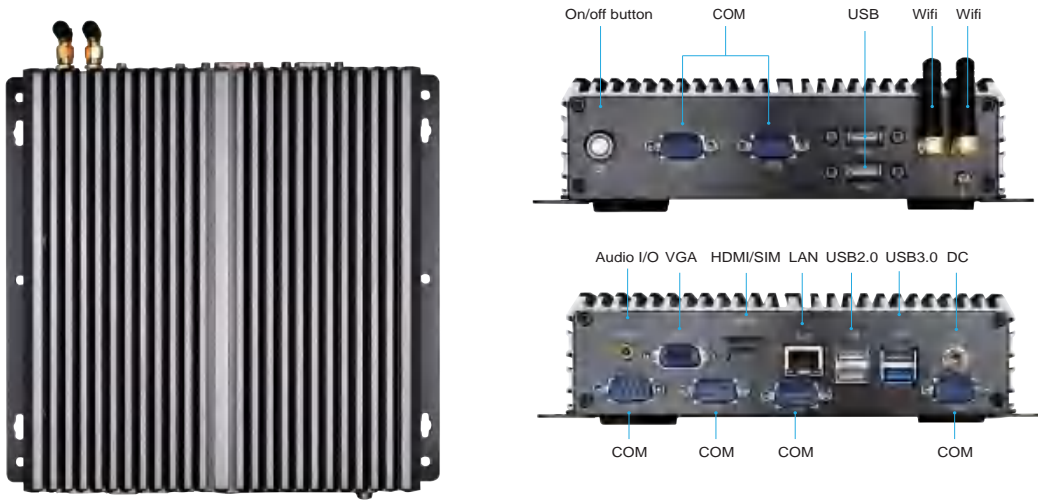


Rack-mounted installation



Desktop installation

Classic X86 Mini PC



(CX-J1900 motherboard for reference.Plis refer to the actual product)



Ingenious craftsmanship, small and portable, low power consumption



Industrial-grade dustproof, fanless, and silent aluminum alloy design with grid conduction heat dissipation



6*COM 6*USB rich interface design



X86 architecture motherboard, support 7*24H high-load stable operation



Compatible with 99% software and strong environmental adaptability



Operation under -20℃~65℃ high and low temperature

Main hardware parameters			
CPU	Standard: Intel Celeron J1900 Quad Core 1.99GHz	Power on and start up	Support
	Optional: Intel Celeron J1800 Dual Core 2.0GHZ	Remote wakeup	Support
	Optional: Celeron J4125 Quad Core 2.0GHz	Automatic reset	Support
	Optional: Intel I3-6100U; I5-6200U; I7-6500U;	Power input	Supports 12-36V wide voltage power input
Memory	2G DDR3, supports up to 16GB	Operation temperature	-20℃~65℃
Storage	64G SSD (optional SSD 128G-512G, HDD 500G-1T)	Storage temperature	-40℃~80℃
Display chips	Intel CPU built-in display core, built-in LVDS interface, Epitaxial VGA, HDMI capable of dual display and differential display	Humidity	20%~95% (relative humidity without condensation)
Audio chip	On board Realtek ALC662 HD audio decoding controller	Impact resistance	10g acceleration, 11ms cycle
Chip card	On board 1 * Realtek RTL 811E Gigabit Ethernet card	Anti-interference	EMI/EMC interference detection standard
WIFI/Bluetooth	Support wifi, bluetooth	Chassis structure	The aluminum alloy on the chassis surface has good seismic resistance and impact resistance
Resolution support	Above 800 * 600		
Consumption	Low power consumption 15W	Dimensions	199.5 * 213.1 * 58.3 (length * width * height)
Operating system	Supports Windows/Ubuntu/Centos/Redhat/Debian systems	Overall weight	1.9KG
Installation method	Supports rack and desktop installation	HD support	1080P



Industrial Computer C Series

Designed for Intelligent Automation Equipment Applications

High and Strong Performance X86 Mini PC

High and Strong Performance ARM Mini PC

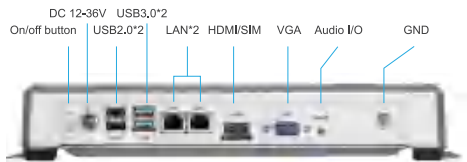
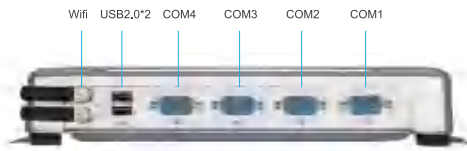
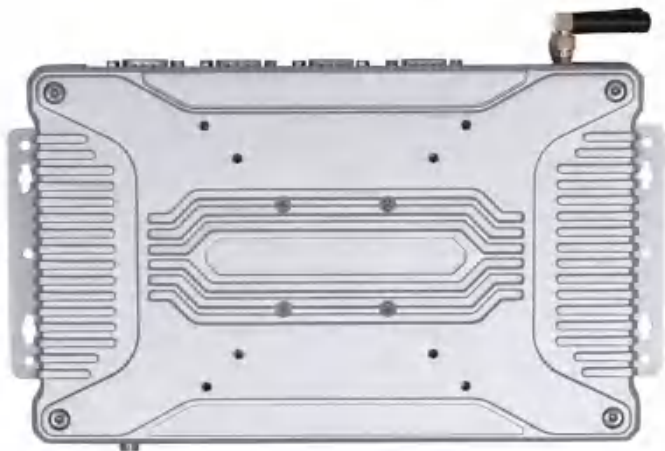


Rack-mounted installation



Desktop installation

High and Strong Performance X86 Mini PC



High-precision all-aluminum alloy body with excellent texture



Independent R&D of X86 architecture industrial-grade motherboard



Rich interface, flexible expansion, easy installation



Operation under -20 °C ~65 °C high and low temperature



Multiple OS options compatible with 99% software in the market



Strong performance and supporting 7*24H high-load stable operation

Main hardware parameters			
CPU	Celeron J4125 Quad Core 2.0GHz		Intel I5-6200U (optional: i3, I5, I7)
Memory	Supports DDR4-2400 MHz, 1 * SO-DIMM slot, up to 8GB		Supports DDR4-2400 MHz, 1 * SO-DIMM slot, up to 16GB
Storage	1 * SATA3.0 + 1 * mSATA + 1 * M.2		1 * SATA3.0 + 1 * mSATA + 1 * M.2
Chipset	Intel Bay trail SOC chipset		Intel Bay trail SOC chipset
Operating systems	Win10/11,Ubuntu/Centos		Win7/10/11,Ubuntu/Centos
Network	2 * Realtek PCI-E NIC RTL8111H for 1000Mbps		2 * Realtek PCI-E NIC RTL8111H for 1000Mbps
WiFi	Supports dual band WiFi		Supports dual band WiFi
Bluetooth	Support		Support
Audio	USB Voice Chip, HS-100B, LQFP-48 (7 x 7mm), 2CH DAC with Headphone amplifier Compliant with USB 2.0 Full Speed Operation		
Operating temperature	-10 °C ~ 60 °C	Anti-vibration	5-19HZ/1.0mm amplitude; 19-200HZ/1.0g acceleration
Storage temperature	-20 °C ~ 70 °C	Impact resistant	10g acceleration, 11ms cycle time
Fuselage properties	Material: aluminum composite	Anti-interference	EMI/EMC interference testing standards
Body color	Silver, optional black	Installation method	Support rack-mounted and desktop-mounted
Power input	1*DC 55*25, can support 12-36V wide voltage power supply		

High and Strong Performance ARM Mini PC



(3588 motherboard for reference.Plis refer to the actual product)

- High-precision all-aluminum alloy body with excellent texture
- Independent R&D of X86 architecture industrial-grade motherboard
- Rich interface, flexible expansion, easy installation
- Operation under -20℃~65℃ high and low temperature
- Multiple OS options compatible with 99% software in the market
- Powerful open source attributes, breaking through application limitations, supporting secondary development

Main hardware parameters			
CPU	RK3288 Cortex-A17 Quad Core 1.8GHz RK3399 Six Core 64 Bit CPU 1.8GHz RK3588 8-core 64 bit 2.4GHz CPU		
Memory	Standard 2G (4G optional) Standard 4G (2G/8G optional) Standard:8G LPDDR4X		
Storage	Standard EMMC 16G (8G/32G/64G optional) Standard: EMMC 32G (16G/64G optional) Standard:64G EMMC		
GPU	Mali-T764GPU Mali-T764GPU Mali-G610 MC4		
SATA	/ / 1*SATA hard drive interface		
OS	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0 Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT Android 12		
WiFi/Bluetooth	Supports dual band WiFi Supports dual band WiFi Supports dual band WiFi		
NPU	/ / 6TOPS AI computing power		
Power port	1*DC 2.0 can support 12V power supply 1*DC 2.0 can support 12-36V power supply 1*DC 2.0 can support 12-36V power supply		
Anti-vibration	Material: aluminum alloy, color: silver, optional black	Impact resistant	10g acceleration, 11ms cycle time
Operating temperature	-10℃ ~ 60℃	Anti-interference	EMI/EMC interference testing standards
Storage temperature	-20℃ ~ 70℃	ESD Standard	ESD antistatic: port ±4KV,air ±8KV
Fuselage properties	Material: aluminum alloy, color: silver, optional black	Installation method	Support rack-mounted and desktop-mounted



Industrial Computer 4U Series

Designed for Data Management System Applications

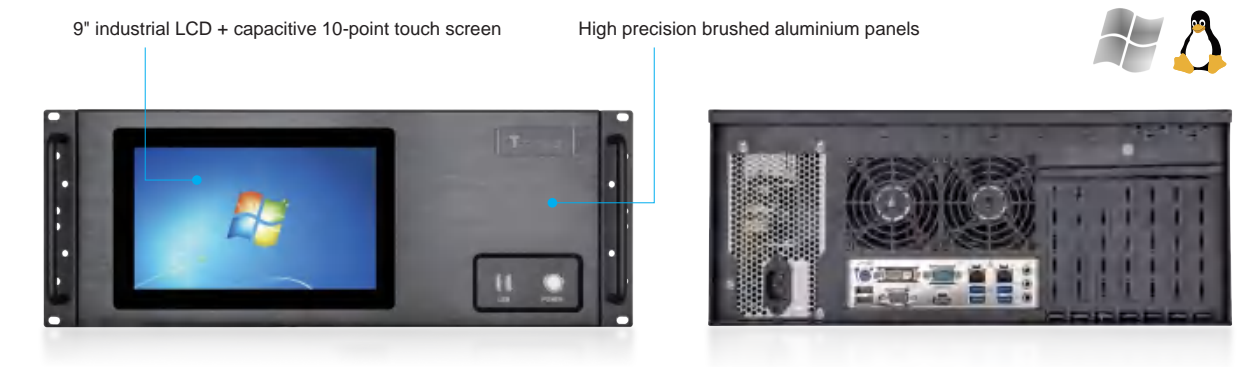
- 4U Industrial PC with Display
- 4U Industrial PC





Rack-mounted installation Desktop installation


4U Industrial PC With Display


Aluminum alloy panel, front 9 "LCD screen, equipped with Intel Core I5-6500 independent CPU, Matching with video output interfaces such as HDMI/DVI/VGA, it supports dual Gigabit network interfaces and rich extensible interfaces. Through PCI/PCIE interface, external video acquisition card, visual motion control card, light source brightness control card, etc., it can be widely used in vehicle-road coordination, AI edge computing server, high-definition video processing, industrial control and detection, environmental monitoring and control, behavior analysis and other scenes.





- 

Independent CPU supports inter6/7/8/9th Core/Pentium/ Celeron processors
- 

-15°C-60°C wide temperature operation
- 

Built-in abundant PCI-E, PCI and other expansibility interfaces
- 

Multi-fan heat dissipation design of the whole machine, efficient heat dissipation, durable and stable
- 

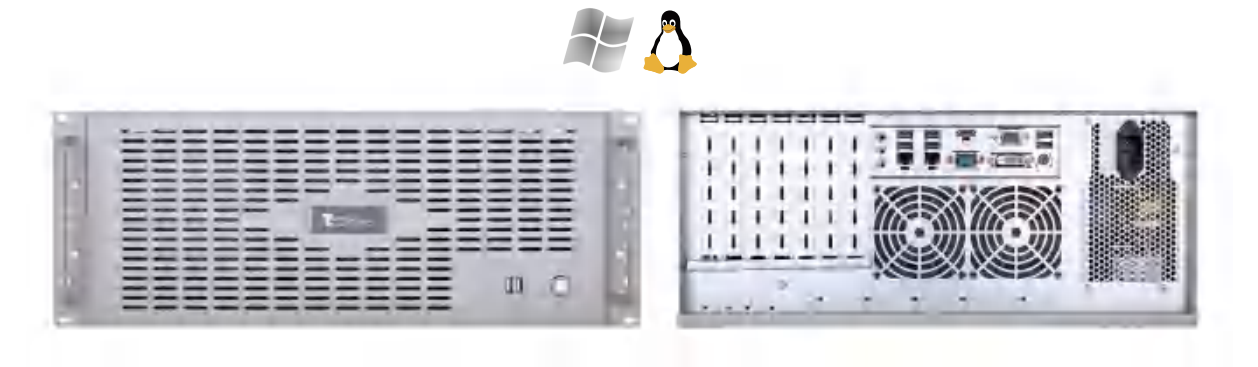
ESD anti-static: contact 4KV, air 8KV
- 


Dual network port gigabit network data transmission is faster and more stable


Main hardware parameters			
CPU	Standard: Intel Core i5-6500 independent CPU quad-core 3.2GHz	COM	Default RS232*1, reserved COM*4; Support: 4 * RS232 + 2 * RS232/RS485 [4]
	Optional: Intel® Pentium/Celeron/6-7 generation Core i3/i5/i7 CPU	Expansion slots	9 * USB: 4 * USB3.0 (Rear I/O) + 2 * USB2.0 (Rear I/O) + 3 * USB2.0(Header) 8 * GPIO 1 * LPT Header 1 * SMB Header 1 * PCIE 16X Slot 1 * PCIE 4X Slot 1 * PCIE 1X Slot 4 * PCI Slot , 2 * Mini PCIE [3] 1 * SIM Card Slot
	Optional: Intel® Core i/Pentium/Celeron 8th-9th generation CPU		
Memory	Standard: 8G DDR4, upgradeable to 16G/32G DDR4		
Hard Disk	Standard: 1T mechanical hard drive with 4 * SATA3.0 + 1 * mSATA support [3]		
Chipsets	Intel® H110, TDP 6 W & Intel® H310, TDP 6W	Operating temperature	Working temperature: -15℃~60℃, Storage temperature: -20℃~75℃
Display	9-inch 1024*600 industrial control LCD, ten-point capacitive touch	OS	Windows 7/8/10, Server 2008/2012, Linux
	1 * VGA DB15 port + 1 * DVI port + 1 * HDMI port	Ethernet	RJ45*2 1000Mbps
Audio	Realtek ALC662 5.1 Channel HD Audio Codec Support 1* MIC + 1 * Line-out + 1 * Line-in	Power supply	ATX AC 220V input
		Chassis properties	Chassis material: SGCC galvanized plate, surface technology: oil spray, body color: black
USB	Default USB2.0*4 SB3.0*4	Size	299mm*428.4mm*176mm
	9 * USB: 4 * USB3.0 (Rear I/O) + 2 * USB2.0 (Rear I/O) + 3 * USB2.0(Header)	Heat dissipation system	Intelligent fan cooling
PS/2	1 * PS/2 (mouse and keyboard 2-in-1)	Installation method	Support rack-mounted and desktop-mounted


4U Industrial PC


Whole machine sheet metal structure,equipped with Intel Core I5-6500 independent CPU, Matching with video output interfaces such as HDMI/DVI/VGA, it supports dual Gigabit network interfaces and rich extensible interfaces. Through PCI/PCIE interface, external video acquisition card, visual motion control card, light source brightness control card, etc., it can be widely used in vehicle-road coordination, AI edge computing server, high-definition video processing, industrial control and detection, environmental monitoring and control, behavior analysis and other scenes.





- 

Independent CPU supports inter6/7/8/9th Core/Pentium/ Celeron processors
- 

-15°C-60°C wide temperature operation
- 

Built-in abundant PCI-E, PCI and other expansibility interfaces
- 

Multi-fan heat dissipation design of the whole machine, efficient heat dissipation, durable and stable
- 

ESD anti-static: contact 4KV, air 8KV
- 

Dual network port gigabit network data transmission is faster and more stable

Main hardware parameters			
CPU	Standard: Intel Core I5-6500 independent CPU quad-core 3.2GHz	COM	Default RS232*1, reserved COM*4; Support: 4 * RS232 + 2 * RS232/RS485 [4]
	Optional: Intel® Pentium/Celeron/6-7 generation Core i3/i5/i7 CPU	Expansion slots	9 * USB: 4 * USB3.0 (Rear I/O) + 2 * USB2.0 (Rear I/O) + 3 * USB2.0(Header) 8 * GPIO 1 * LPT Header 1 * SMB Header 1 * PCIE 16X Slot 1 * PCIE 4X Slot 1 * PCIE 1X Slot 4 * PCI Slot , 2 * Mini PCI-E [3], 1 * SIM Card Slot
	Optional: Intel® Core /Pentium/Celeron 8th-9th generation CPU		
Memory	Standard: 8G DDR4, upgradeable to 16G/32G DDR4		
Hard Disk	Standard: 1T mechanical hard drive with 4 * SATA3.0 + 1 * mSATA support [3]		
Chipsets	Intel® H110, TDP 6 W & Intel® H310, TDP 6W	Operating temperature	Working temperature: -15°C~60°C, Storage temperature: -20°C~75°C
Display	1 * VGA DB15 port + 1 * DVI port + 1 * HDMI port	OS	Windows 7/8/10, Server 2008/2012, Linux
	RJ45*2 1000Mbps	Power supply	ATX AC 220V input
Audio	Realtek ALC662 5.1 Channel HD Audio Codec Support 1* MIC + 1 * Line-out + 1 * Line-in	Enclosure material	Chassis material: SGCC galvanized plate, surface process: spray oil
USB	Default USB2.0*4 SB3.0*4	Color	Industrial Grey
	9 * USB: 4 * USB3.0 (Rear I/O) + 2 * USB2.0 (Rear I/O) + 3 * USB2.0(Header)	Size	299mm*428.4mm*176mm
		Heat dissipation system	Intelligent fan cooling
PS/2	1 * PS/2 (mouse and keyboard 2-in-1)	Installation method	Support rack-mounted and desktop-mounted

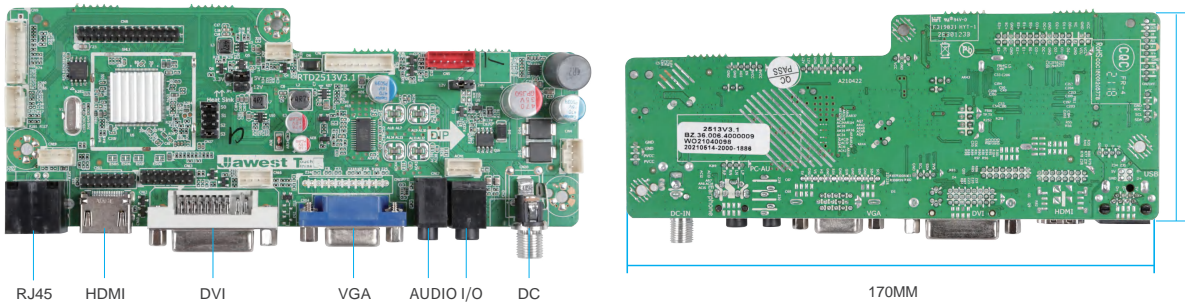


Industrial Computer Motherboard Series


Designed for Intelligent Touch Terminal Device Applications


Motherboard of Industrial Monitor


CX-2513





PCB board thickness 1.2MM, FR4, green oil


- 

Automatically identify signal source
- 

Anti-static ±4KV~±8KV
- 

Industrial Grade Components
- 

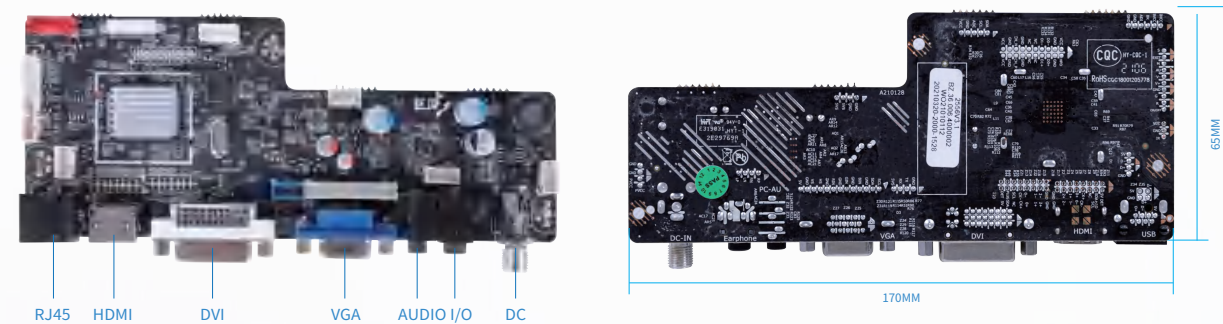
12V-36V wide voltage
- 

-20℃~70℃ wide temperature
- 

Multiple language support

Main hardware parameters				
Connector I/O	Type	Quantity	Name	Content Description
	Input	1 Road	RJ45 IN	Standard network cable interface input plastic black without light (to do external USB adapter)
		1 Road	DVI IN	Standard General DVI Materials
		1 Road	HDMI IN	General material
		1 Road	VGA IN	VGA signal input with DEBUG upgrade support
		1 Road	PC-AUIDO IN	Black holder 3.5mm, PC sound input
		1 Road	DC IN	DC socket 2.1MM power head 90 degree curved foot threaded head length 8.0MM with nut
	Output	1 Road	ERPHONE out	5-pin audio headphone jack, black, output amplitude: 150mV / 32 ohm
Software Features	Speaker	Speaker power default 3W 8 Ohm		
	Language	Multi-language support, default: "English"		
	Resolution	Resolution UP TO 1920*1080/1920*1200@60Hz		
	Menu	Menu supports black and white screen display option (for display screen)		

CX-2556



(Front)

(back)

PCB board thickness 1.2MM, FR4, green oil



Automatically identify signal source



Anti-static $\pm 4KV \sim \pm 8KV$



Industrial Grade Components



12V-36V wide voltage



$-20^{\circ}C \sim 70^{\circ}C$ wide temperature



Multiple language support

Main hardware parameters				
Connector I/O	Type	Quantity	Name	Content Description
	Input	1 Road	RJ45 IN	Standard network cable interface input plastic black without light (to do external USB adapter)
		1 Road	DVI IN	Standard General DVI Materials
		1 Road	HDMI IN	General material
		1 Road	VGA IN	VGA signal input with DEBUG upgrade support
		1 Road	PC-AUIDO IN	Black holder 3.5mm, PC sound input
		1 Road	DC IN	DC socket 2.1MM power head 90 degree curved foot threaded head length 8.0MM with nut
	Output	1 Road	ERPHONE out	5-pin audio headphone jack, black, output amplitude: 150mV / 32 ohm
Software Features	Speaker	Speaker power default 3W 8 Ohm		
	Language	Multi-language support, default: "English"		
	Resolution	Resolution UP TO 1920*1080/1920*1200@60Hz		
	Menu	Menu supports black and white screen display option (for display screen)		

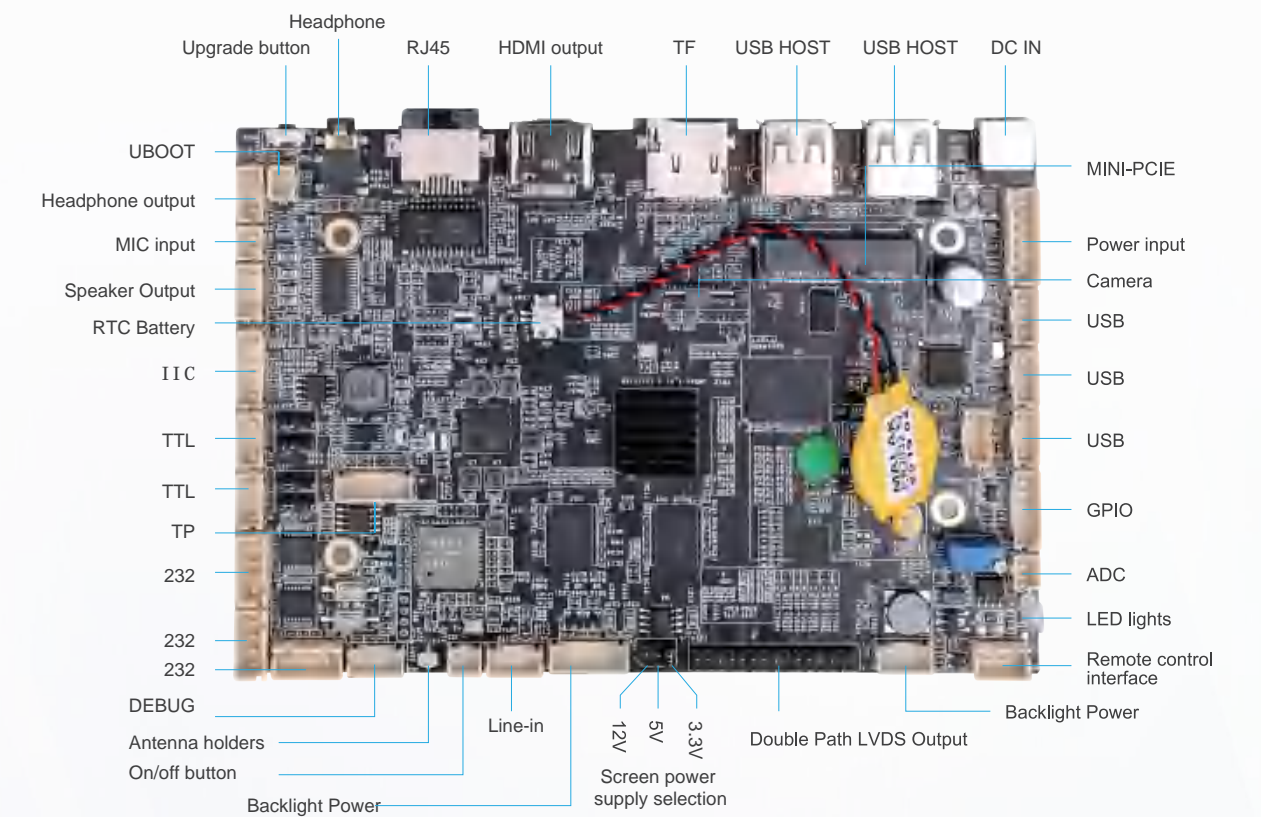


Industrial Computer Motherboard Series

Designed for Intelligent Touch Terminal Device Applications

ARM Architecture Motherboard

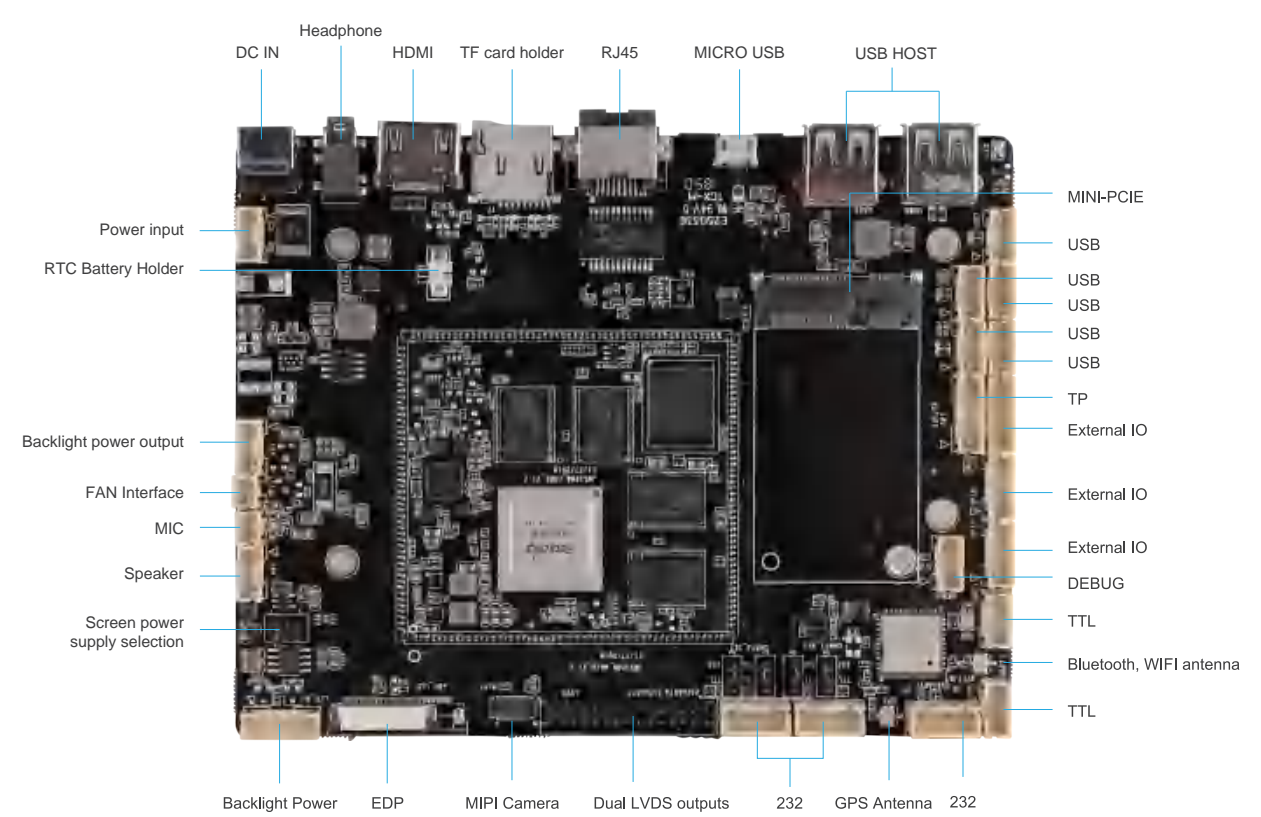
JWS64



PCB: 6-layer board, size: 146mm*100mm, board thickness 1.6mm, screw hole specification: ⌀ 3.4mm x4

Main hardware indicators			
CPU	A64, quad-core, 1.5GHz	COM	1*232, 2*TTL/232 optional
Memory	1G/2G(DDR3)	GPS	External GPS (optional)
Storage	EMMC 8G (optional 16/32/64G, maximum support 64G)	WIFI/BT	Support WiFi, Bluetooth
ROM	2KB EEPROM	Ethernet	1*10M/100M/1000M Adaptive Ethernet
Decoding Resolution	HDMI Maximum 4K 3840*2160	Audio and video output	Support left and right channel output, built-in dual 4R/20W, 8R/10W amplifier
OS	Android 6.0	LVDS output	1*single/dual path, can directly drive 50/60Hz LCD screen
Play Mode	Supports multiple play modes such as loop,timing and interstitial.	MIPI output	Direct drive for 50/60Hz LCD
Network	Ethernet,WIFI/BT,Wireless peripheral extension	TF Card	Support
Video format	Support WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4, etc.	Real Time Clock	Supported
Image format	Support BMP, JPEG, PNG, GIF	Timing Turn	Supported
USB interface	4*USB HOST, 2*USB A-type, 1*MICRO USB (OTG)	System Upgrade	Support upgrade through TF,USB

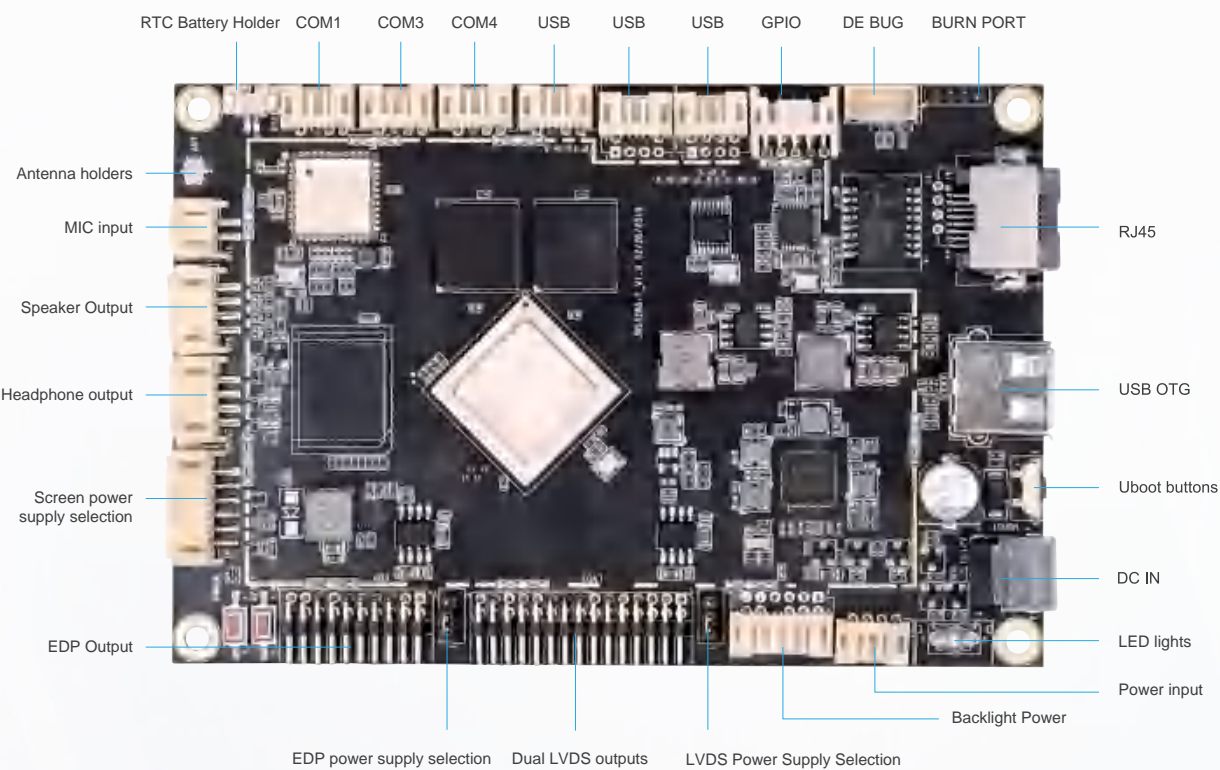
JWS3288



PCB: 6-layer board, size: 110.8*142mm, board thickness 1.6mm, screw hole specification: ⌀ 3.2mm x4

Main hardware indicators			
CPU	RK3288, quad-core, 1.8GHz	COM	5*COM
Memory	2G DDR3 (optional 4G)	GPS	External GPS (optional)
Storage	EMMC 8G (optional 16/32/64G, maximum support 64G)	Wifi/Bluetooth	Support Wifi, Bluetooth
ROM	2KB EEPROM	Ethernet	1 x 10M/100M/1000M Adaptive Ethernet
Resolution	Support up to 3840*2160	TF Card	Support
OS	Android 5.1/Ubuntu System	LVDS output	1 single/dual path, can directly drive 50/60Hz LCD screen
Play Mode	Support loop, timing, interpolation and other playback modes	eDP Output	Directly drive multiple resolutions of eDP interface LCD
Network	3G/4G, Ethernet, Support WiFi/Bluetooth, wireless peripheral expansion	Audio and video output	Support left and right channel output, built-in dual 4R/20W, 8R/10W amplifier
Video format	Support WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4, etc.	HDMI output	1,Support 1080P@60Hz,4k output
Image format	Support BMP, JPEG, PNG, GIF	Other	Support Real Time Clock, Timing Turn
USB interface	2 x USB HOST, 5 x USB interface, 1 x MICRO USB	System Upgrade	Support upgrade through TF,USB

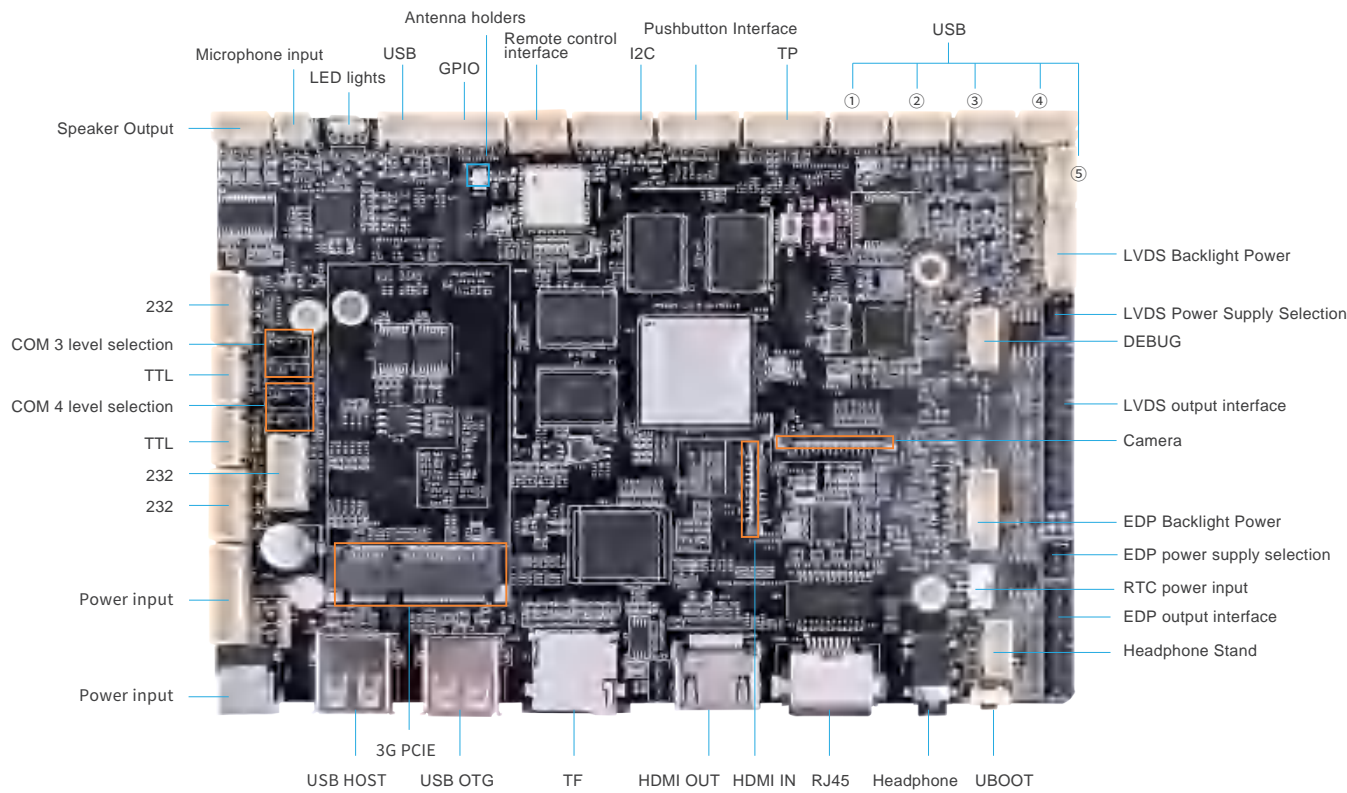
JWS3288-F



PCB: 8-layer board, size: 121.67*81.28mm, board thickness 1.6mm, screw hole specification: \varnothing 3.4mm x4

Main hardware indicators			
CPU	RK3288, quad-core, 1.8GHz	Image format	Support BMP, JPEG, PNG, GIF
Memory	2G (optional 4G)	Amplifier output	Support left and right channel output, built-in dual 4R/2.5W, 8R/1.5W amplifier
Storage	EMMC 16G (optional 32/64G, maximum support 64G)		
Built-in ROM	2KB EEPROM	USB2.0 interface	1 USB OTG, 3 USB sockets (up to 5 sockets)
OS	Android 7.1/10.0	COM	3*TTL serial sockets
MIPI output	1,Support 1080P@60Hz output	Ethernet	1, 10/100M Adaptive Ethernet
LVDS output	1 single/dual path, can directly drive 50/60Hz LCD screen	WiFi/BT	Support WiFi, Bluetooth
		Video format support	Supports up to 4K 3840*2160
eDP Output	Supports up to 4K 3840*2160	Timing Turn	Supported
System Upgrade	Support upgrade through TF,USB	Real Time Clock	Supported

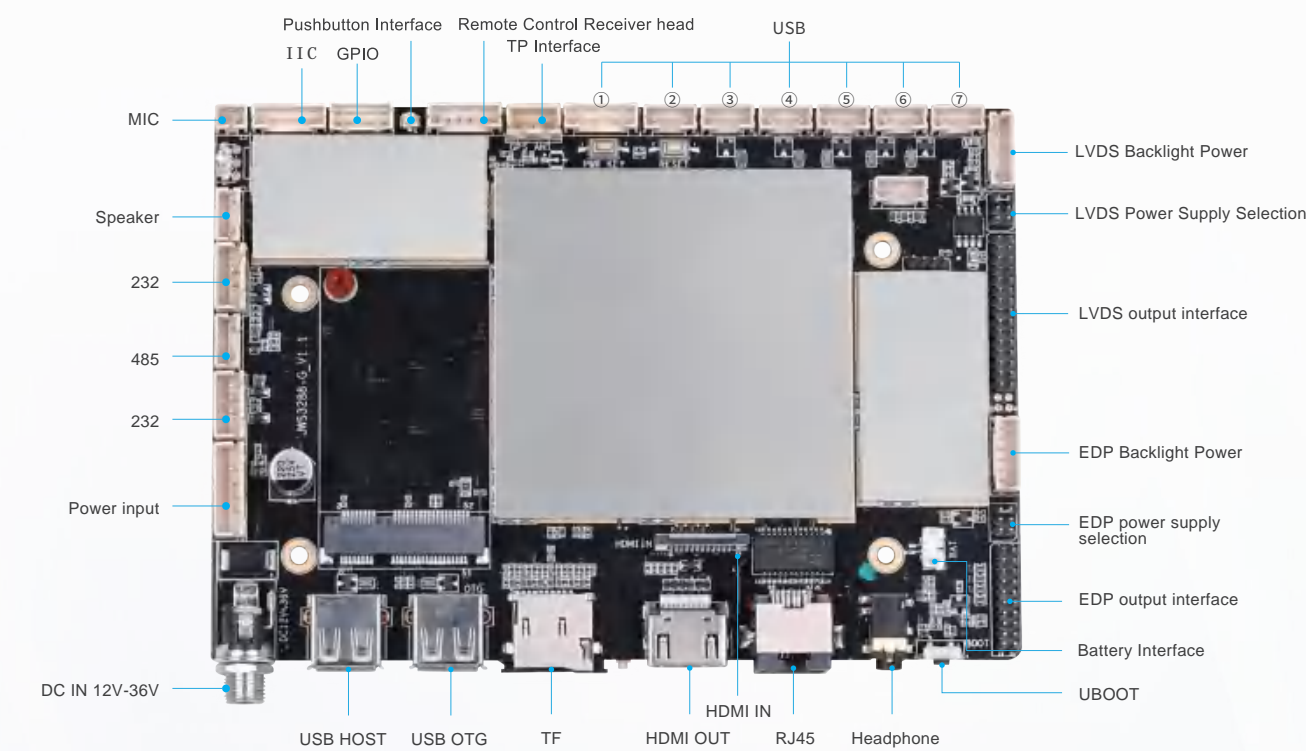
JWS3288-I



PCB: 6-layer board, size: 151.9*106mm, board thickness 1.6mm, screw hole specification: \varnothing 3.2mm x4

Main hardware parameters			
CPU	RK3288, quad-core, 1.8GHz	GPS	External GPS (optional)
Memory	2G (optional 4G)	WIFI- BT	Support dual-band WiFi, Bluetooth
Storage	EMMC 16G (optional 8/32/64G, maximum support 64G)	3G/4G	Full network,support voice calls (optional according to 4G module selection)
ROM	4KB EEPROM	Ethernet	1 x 10M/100M/1000M Adaptive Ethernet
Resolution	Maximum 3840*2160	TF Card	Support TF card
OS	Android 7.1/10.0/12.0, Linux4.4/Ubuntu18.04/Debian10.0	LVDS output	1 single/dual path, can directly drive 50/60Hz LCD screen
Image format	Support BMP,JPEG,PNG,GIF	eDP Output	1,Support 1080P@120Hz,4kx2k@60Hz output
Network	4G,Ethernet,WiFi/BT5.0,Wireless peripheral extension	HDMI output	1,Support 1080P@120Hz,4kx2k@60Hz output
Video Format	Support WMV,AVI,FLV,RM,RMVB,MPEG,TS,MP4 etc	HDMI IN	HDMI Input,24pin FPC custom connector
Play Mode	Supports multiple play modes such as loop,timing and interstitial.	Audio and video output	Support left and right channel output, built-in dual 4Q / 10W, 8Q / 10W amplifier
USB	USB HOST*1,USB OTG*1,USB interface*6	Other Support	Support RTC clock, timer switch on/off
Serial Port	232*1, TTL/232 switch port*2	System Upgrade	Support upgrade through TF,USB

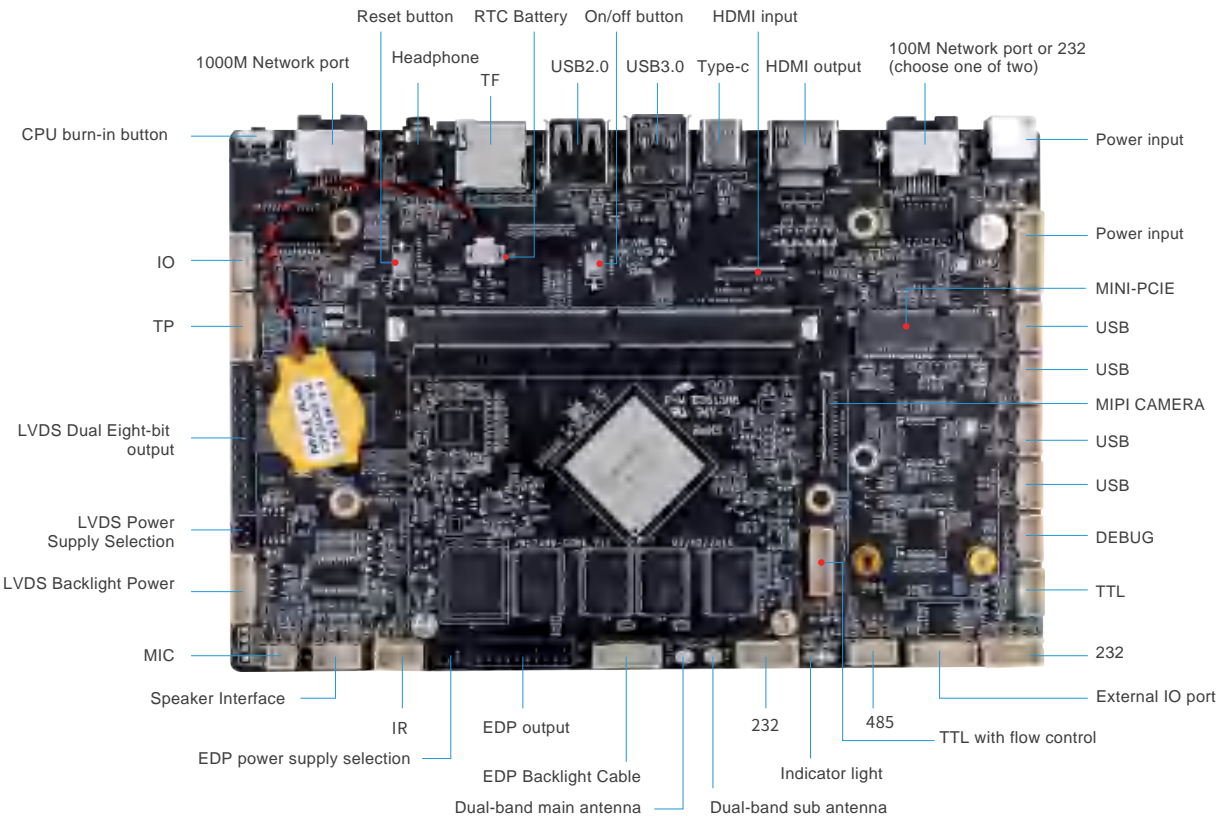
JWS3288-G



PCB: 10-layer board, size: 151.9*106mm, board thickness 1.6mm, screw hole specification: \varnothing 3.2mm x4

Main hardware parameters			
CPU	RK3288, quad-core, 1.8GHz	GPS	External GPS (optional)
Memory	2G (optional 4G)	WIFI、 BT	Support dual-band WiFi, Bluetooth
Storage	EMMC 16G (optional 8/32/64G, maximum support 64G)	Ethernet	1 x 10M/100M/1000M Adaptive Ethernet
ROM	4KB EEPROM	TF Card	Support TF card
Resolution	Support up to 3840*2160	LVDS Output	1 single/dual path, can directly drive 50/60Hz LCD screen
OS	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0	eDP Output	Directly drive multiple resolutions of eDP interface LCDs
Play Mode	Supports multiple play modes such as loop, timing and interstitial.	3G/4G	Full network, support voice calls (optional according to 4G module selection)
Network	4G, Ethernet, WiFi/BT, Wireless peripheral extension	HDMI Output	1, Support 1080P@120Hz, 4kx2k@60Hz output
Video Format	Support WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4, etc.	HDMI IN	HDMI Input, 24pin FPC custom connector
Image format	Support BMP, JPEG, PNG, GIF	AV Output	Built-in two-way interface up to 4Q/10W per way, 8Q/5W
USB	2 x USB HOST, 6 x USB socket	Anti-static	Contact 8KV, Air 15KV
COM	2*232, 1*485	System Upgrade	Support upgrade through TF, USB

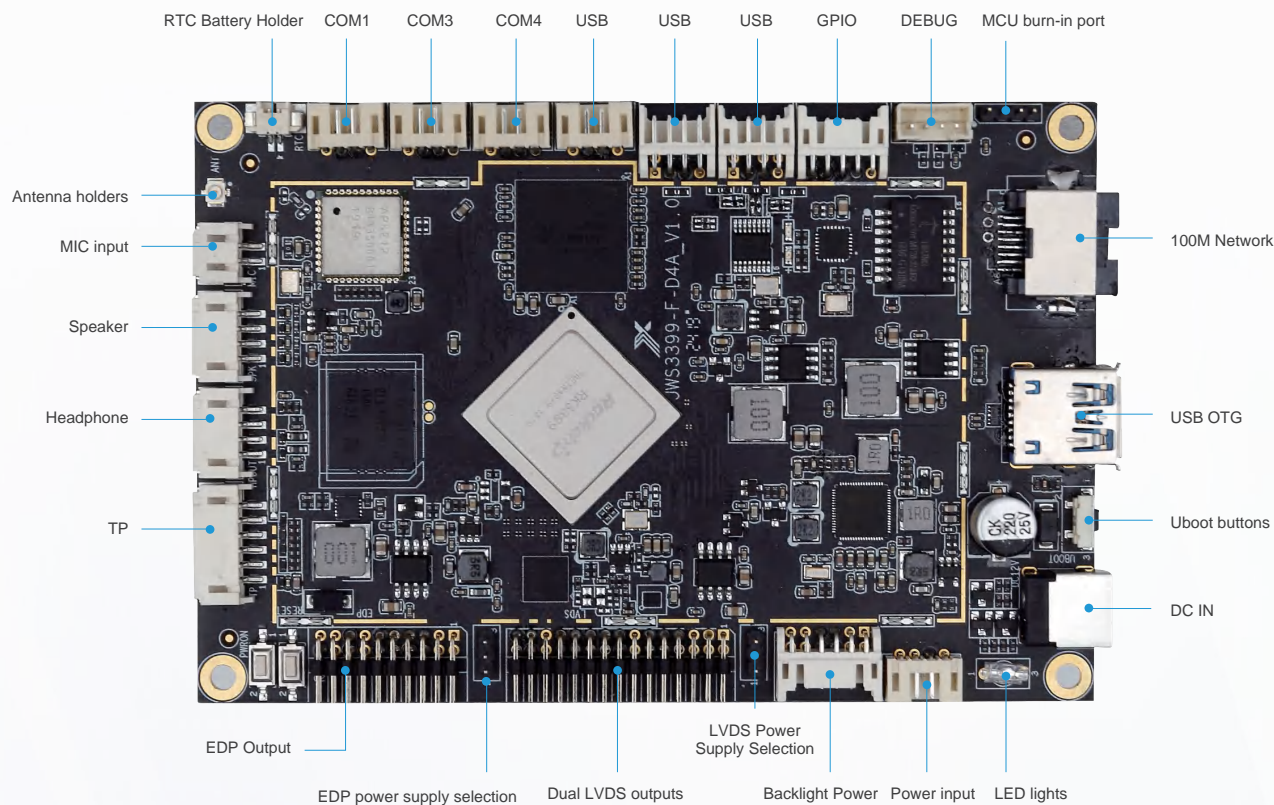
JWS3399



PCB: 10-layer board, size: 151.9*106mm, board thickness 1.6mm, screw hole specification: \varnothing 3.2mm x4

Main hardware parameters			
CPU	RK3399 highest 64-bit high performance CPU, 1.8GHz 2*Cortex-A72 + 4*Cortex-A53	GPS	External GPS (optional)
		WIFI、 BT	Built-in dual WIFI, BT5.0 (Optional)
Memory	2G (optional 4G)	3G/4G	Built-in WCDMA, EVDO, unlocked 4G, VoLTE supported
Storage	EMMC 16G (optional 8/32/64G, maximum support 64G)	MIPI Camera	30pin FPC interface, 1300w Camera supported
ROM	4KB EEPROM	Ethernet	100M*1, 1000M*1
Resolution	Maximum 3840*2160	TF Card	Trans flash Card supported
OS	Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT	LVDS output	LVDS*1(single/dual channel), support 50/60Hz LCD panel
Play Mode	Supports multiple play modes such as loop, timing and interstitial.	EDP Output	Support Multi-resolution EDP interface LCD panel
Network	3G/4G, Ethernet, WiFi/BT5.0, Wireless peripheral extension	HDMI	HDMI*1, support 1080P@60Hz, 4kx2k@60Hz output
Video Format	Support WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4 etc	HDMI IN	HDMI Input, 24pin FPC customized interface
Image format	Support BMP, JPEG, PNG, GIF	AV Output	Support left and right channel output, built-in dual 4R/20W, 8R/10W amplifier
USB	TYPE C*1, USB standard*2, USB interface*4	Other Support	Support RTC clock, timer switch on/off
COM	RS232*2, 485*1, TTL*2, DEBUG port*1	System Upgrade	Support upgrade through TF, USB

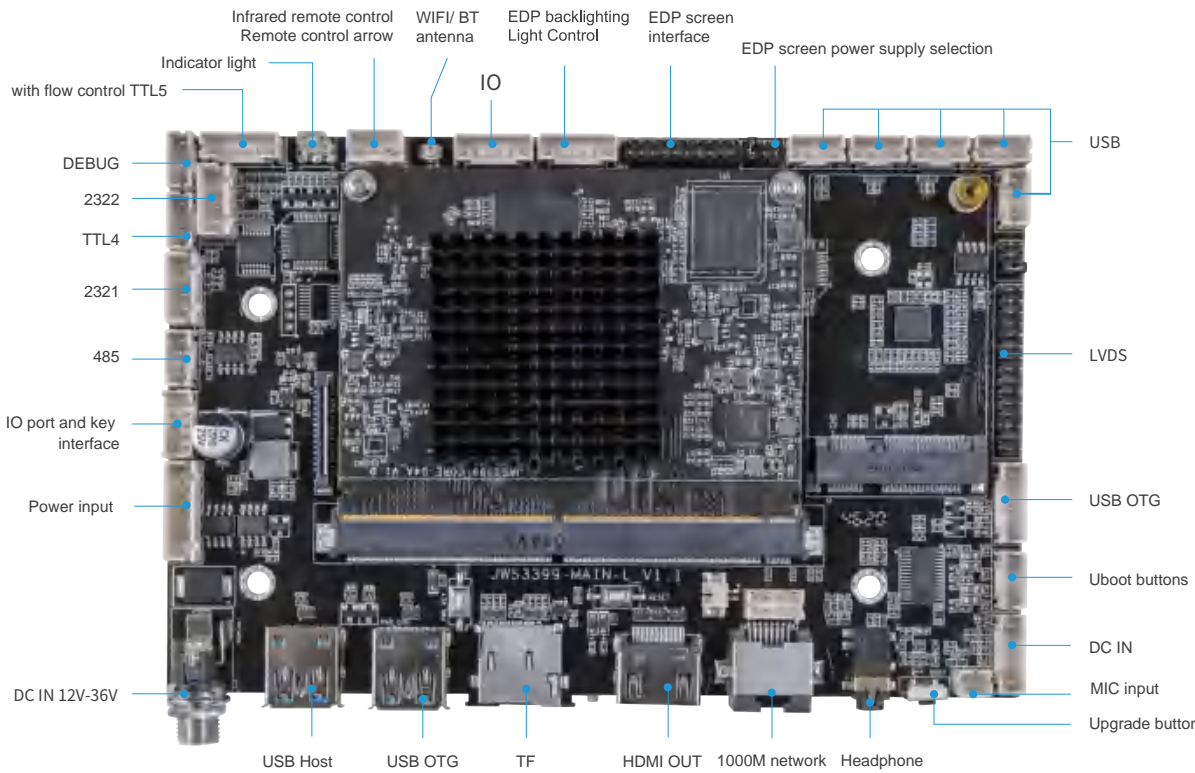
JWS3399-F



PCB: 8-layer board, size: 121.67*81.28mm, board thickness 1.6mm, screw hole specification: ⌀ 3.4mm x4

Main hardware parameters			
CPU	RK3399 highest 64-bit high performance CPU Dual-core Cortex-A72 1.8GHz Quad-core Cortex-A53 1.4GHz	Photograph Format	Support BMP, JPEG, PNG, GIF
Memory	4G as standard	Speaker	Support left and right channel output, built-in dual 4R/2.5W, 8R/1.5W amplifier
Storage	Standard 32G (optional 8/16/64G, maximum support 64G)		
ROM	4KB EEPROM	USB2.0	1*USB OTG, 3*USB Interface (up to 5 interface)
OS	Android 7.1/9.0	COM	3*TTL
MIPI output	1,Support 1080P@60Hz output	Ethernet	1, 10/100M Adaptive Ethernet
LVDS output	1 * single / double road, can directly drive 50 / 60 Hz LCD	WIFI, BT	Support WiFi, Bluetooth
eDP Output	Supports up to 4K 3840*2160	Video format	Support wmv, avi, flv, rm, rmvb, mpeg, ts, mp4 etc.
Other Support	Support Real Time Clock, Timing turn on/off	System Upgrade	Support upgrade through TF,USB

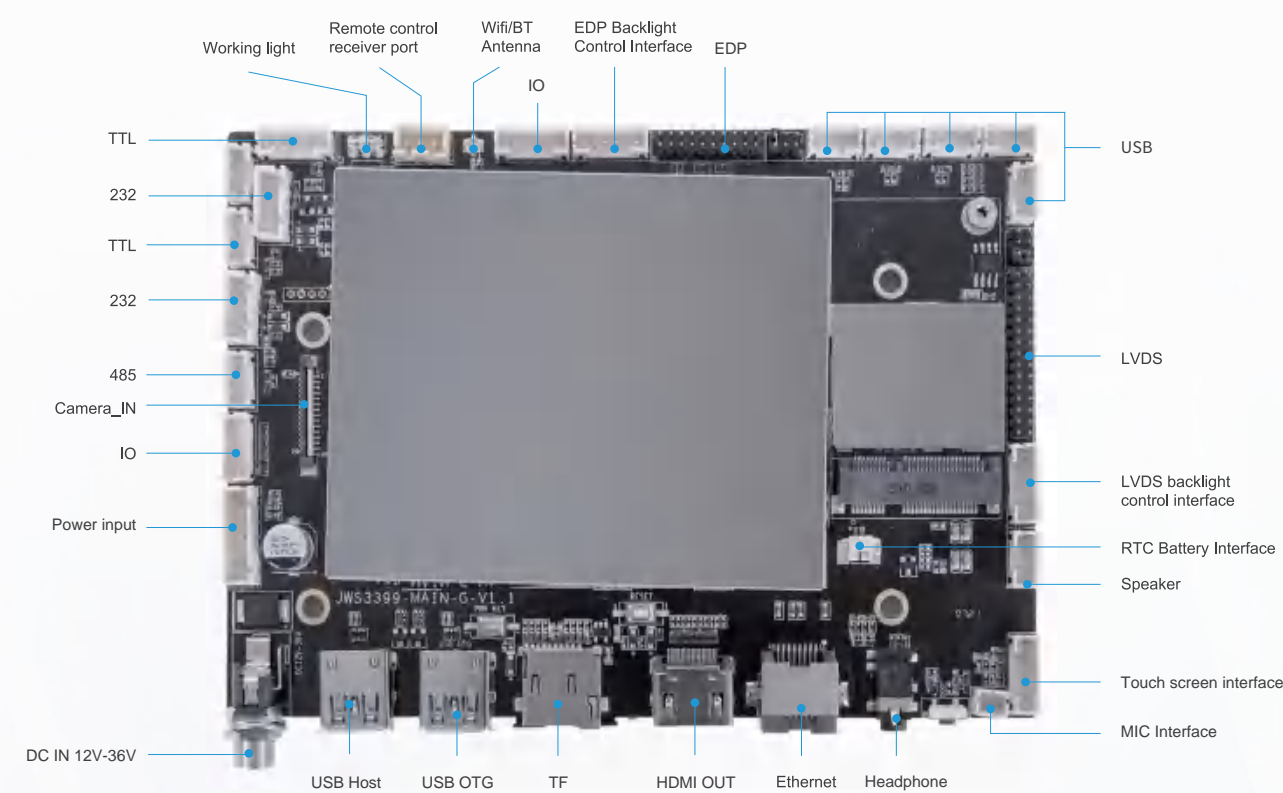
JWS3399-MAIN-L



PCB: 4-layer board, size: 153.77*100mm, board thickness 1.6mm, screw hole specification: ⌀ 3.2mm x4

Main hardware parameters			
CPU	RK3399 64Bit processor. Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz Built-in low power consumption MCU Cortex-M0	USB interface	USB standard*2,USB interface*5
		Serial Port	RS232*2,485*1,TTL*2,DEBUG port*1
		Resolution	Maximum 3840*2160
GPU	Quad-core ARM Mali-T860MP4 GPU	Mipi Camera	30pin FPC interface,support 1300W Camera
Memory	4G(2G optional)	GPS	External GPS (optional)
Storage	EMMC 32G(8/16/64G optional,maximum 64G)	WIFI/BT	Built-in dual WIFI,BT5.0 (Optional)
ROM	4KB EEPROM	3G/4G	Built-in WCDMA,EVDO,unlocked 4G,VoIET supported
OS	Android 7.1/9.0/11,Ubuntu18.04/Debian10.0/Linux4.4+QT	Ethernet	1*10M/100M/1000M Adaptive Ethernet
Play Mode	Supports multiple play modes such as loop,timing and interstitial.	TF Card	Trans flash Card supported
		LVDS	LVDS*1(single/dual channel),support 50/60Hz LCD panel
Network	3G/4G, Ethernet, WIFI/BT5.0 , wireless peripheral expansion	EDP	Support Multi-resolution EDP interface LCD panel
Video Format	Support wmv, avi, flv, rm, rmvb, mpeg, ts, mp4 etc.	HDMI	HDMI*1, support 1080P@60Hz, 4kx2k@60Hz output
Image format	Support BMP, JPEG, PNG, GIF	AV output	Support left and right channel output, built-in dual 4R / 20W, 8R / 10W amplifier

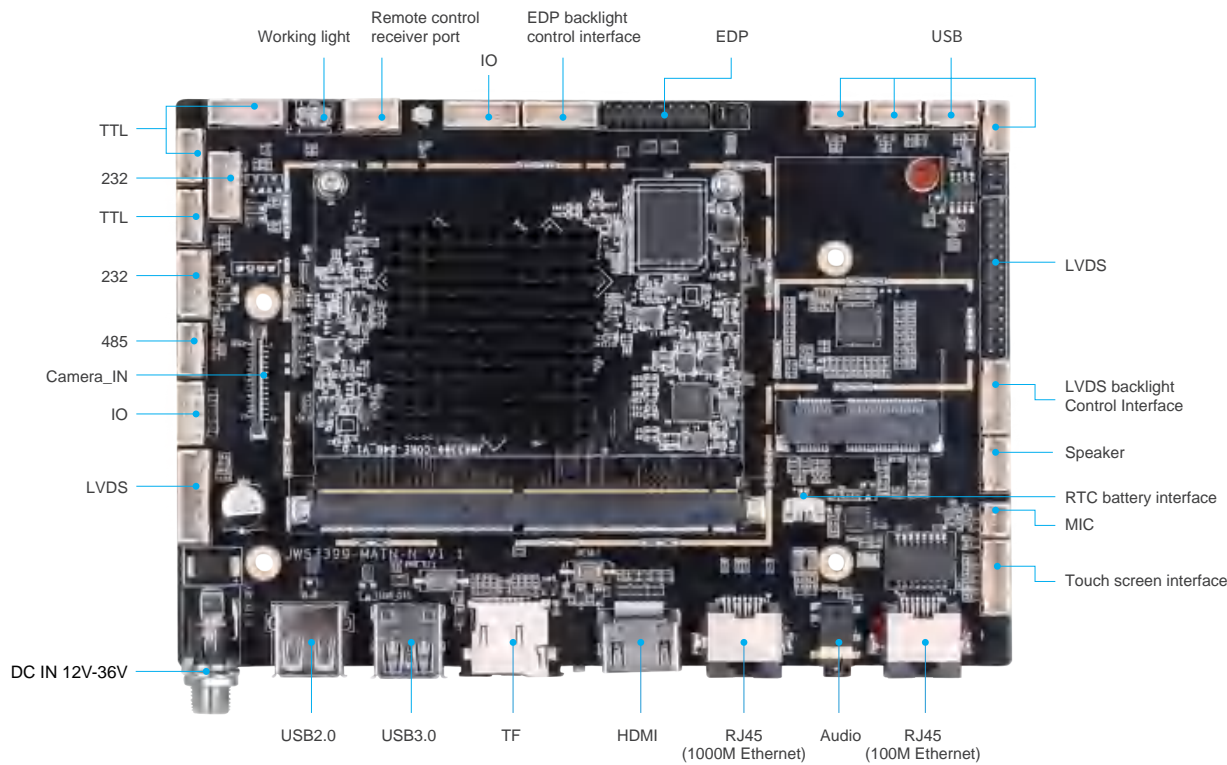
JWS3399-MAIN-G



PCB: 6-layer board, size: 154*106mm, board thickness 1.6mm, screw hole specification: ⌀3.2mm x4

Main hardware parameters			
CPU	RK3399 64Bit processor. Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz Built-in low power consumption MCU Cortex-M0	GPU	Quad-core ARM Mali-T860MP4 GPU
		AV Output	Support left and right channel output, built-in dual 4R/10W 8R/5W amplifier
Memory	4GB standard (2GB optional)	USB	2*USB3.0 standard ports, 5*USB sockets
Storage	EMMC 32G(8/16/64G optional,maximum 64G)	Mipi Camera	30pin FPC interface,support 1300W Camera
ROM	4KB EEPROM	COM	6*COM (2 RS232,1 485,2 TTL,1 DEBUG)
OS	Android 7.1/9.0,11/Ubuntu18.04/Debian10.0/Linux4.4+QT	GPS	External GPS (optional)
Play Mode	Support loop, timing, interpolation and other playback modes	WIFI/BT	Support dual-band WiFi, Bluetooth
Video Format	Support wmv, avi, flv, rm, rmvb, mpeg, ts, mp4 etc.	3G/4G	Built-in WCDMA,EVDO,4G full network,support voice call
Image format	Support BMP, JPEG, PNG, GIF	Network	3G/4G, Ethernet, WiFi/Bluetooth, wireless peripheral expansion
Other Support	Support Real Time Clock, Timing turn on/off	Ethernet	1000M Ethernet interface
System Upgrade	Support upgrade through TF,USB	TF Card	Support TF card

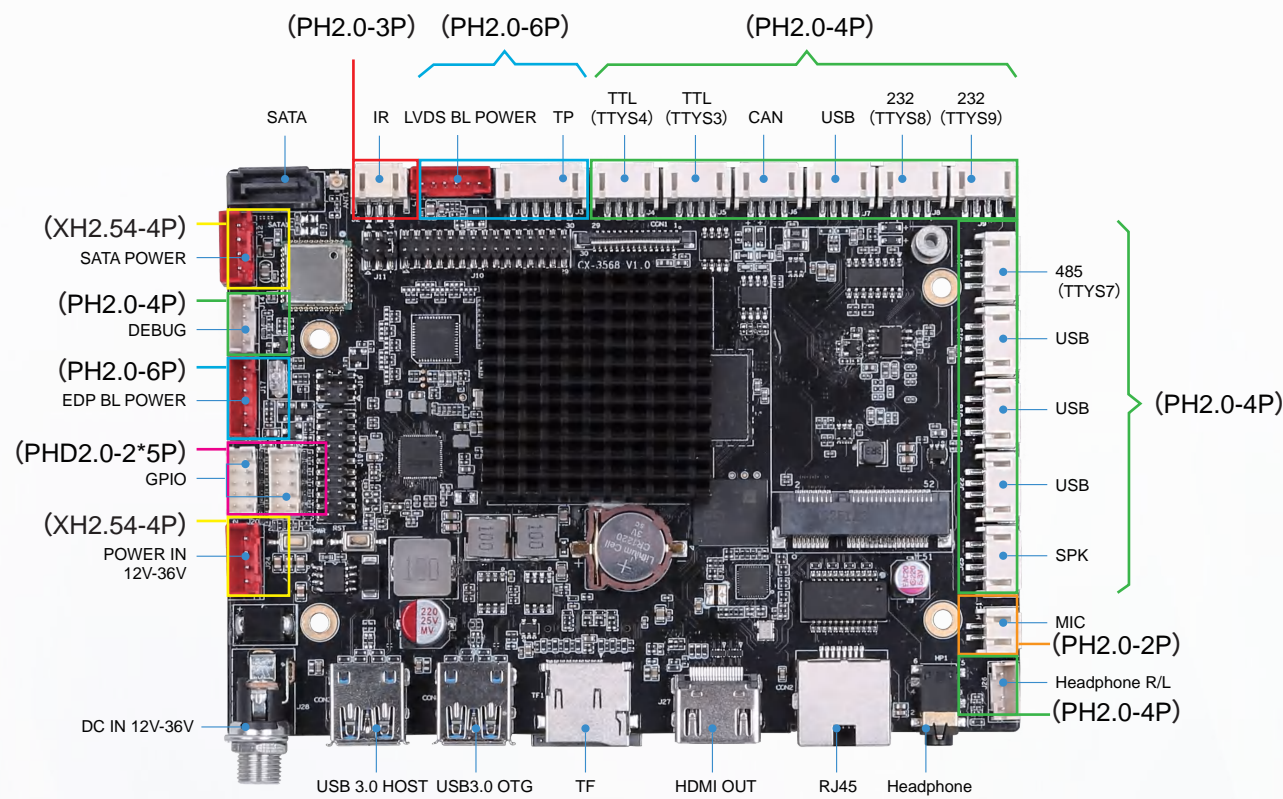
JWS3399-MAIN-N



PCB: 6-layer board, size: 160*109mm, board thickness 1.6mm, screw hole specification: ⌀3.2mm x4

Main hardware parameters			
CPU	RK3399 64Bit processor. Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz Built-in low power consumption MCU Cortex-M0	USB	1*USB3.0 standard interface, 1*USB2.0 standard interface. 4*USB2.0 socket
GPU	Quad-core ARM Mali-T860MP4 high-performance GPU	Mipi Camera	30pin FPC interface, 1300w Camera supported
Memory	4GB standard (2GB optional)	COM	6*COM (2*RS232,1*485,2*TTL,1*DEBUG)
Storage	EMMC 32G(8/16/64G optional,maximum 64G)	GPS	External GPS (optional)
ROM	4KB EEPROM	WIFI/BT	Support dual-band WiFi, Bluetooth
OS	Android9.0/11	4G/5G	Built-in MINPCIE 4G module interface, M.2 5G module interface
Play Mode	Supports multiple play modes such as loop,timing and interstitial.	Ethernet	1*1000M, 1*100M
		TF Card	Support TF card
Network	4G、5G、 Ethernet,WiFi/BT,Wireless peripheral extension	AV Output	Support left and right channel output, built-in dual channel 4R/10W/per channel 8R/5W/per channel power amplifier
Video Format	Support WMV,AVI,FLV,RM,RMVB,MPEG,TS,MP4 etc		
Image format	Support BMP,JPEG,PNG,GIF		
LVDS output	1 * single / dual, can directly drive 50 / 60Hz LCD	Other Support	Support Real Time Clock, Timing turn on/off
eDP Output	Directly drive multiple resolutions of eDP interface LCDs		
HDMI output	1, support 1080P@60Hz, 4kx2k@60Hz output	System Upgrade	Support upgrade through TF,USB

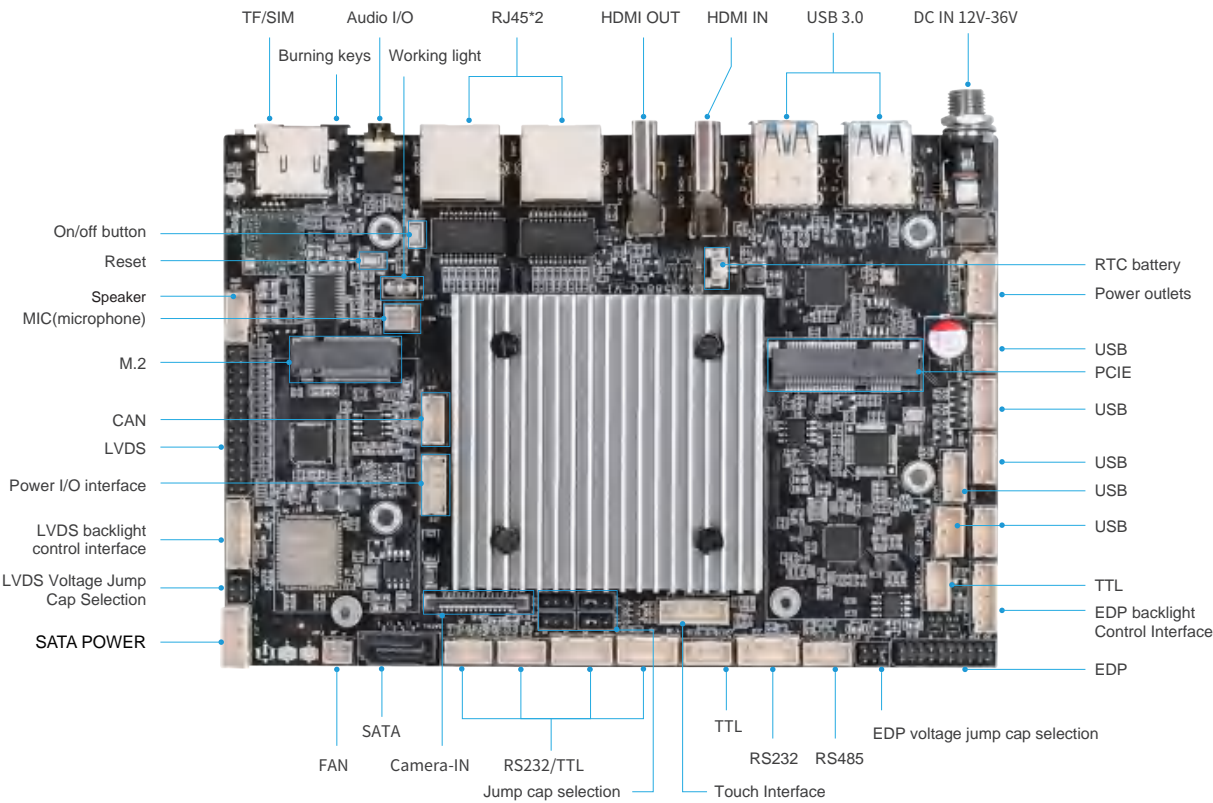
CX3568-A



PCB: 6-layer board, size: 140*100mm, board thickness 1.6mm, screw hole specification: ⌀ 3.2mm x4

Main hardware parameters			
CPU	RK3568 64Bit processor,Quad-core Cortex-A55 2.0 GHz	USB	USB3.0*2(HOST*1,OTG*1)
GPU	ARM Mali-G52 2EE GPU	Mipi Camera	30pin FPC interface, 1300w Camera supported
Memory	2GB LPDDR4	Serial Port	RS232*2,485*1,TTL*2,CAN port*1
Storage	EMMC 32GB (8GB/16GB/64GB optional, maximum 64GB)	GPS	External GPS (optional)
ROM	4KB EEPROM	WIFI/BT	Built-in 2.4G WIFI, BT5.2
SATA	SATA socket*1	4G	Built-in MINIPCIE 4G module socket
OS	Android 12	Ethernet	1000M*1
Resolution	4K/60HZ	TF	Trans flash Card supported
Play Mode	Supports multiple play modes such as loop,timing and interstitial.	LVDS	Dual-channel LVDS port*1
Network	4G,Ethernet,WiFi/BT5.0,Wireless peripheral extension	eDP	x4 eDP port*1
Video Format	Support WMV,AVI,FLV,RM,RMVB,MPEG,TS,MP4 etc	HDMI	Standard HDMI2.0 port
Image format	Support BMP,JPEG,PNG,GIF	MIPI	A MIPI LCD port(40 pins FPC socket)
USB	USB3.0*2(HOST*1,OTG*1)	AV Output	Built-in dual channel AV output,amplifier support 4R/10W per channel or 8R/5W per channel
Mipi Camera	30pin FPC interface, 1300w Camera supported	Earphone Port	Built-in 3.5mm 4-pole port
Real Time Clock	Supported	Timing turn on/off	Supported (a RJ45 port for remote startup control)
System Upgrade	Support upgrade through TF,USB		

CX3588-G



PCB: 6-layer board, size: 160*109mm, board thickness 1.6mm, screw hole specification: ⌀ 3.2mm x4

Main hardware parameters			
CPU	RK3588 is a 64-bit high performance CPU 1. Cortex-A76 quad-core 64-bit CPU 2.4GHZ 2. Cortex-A55 quad-core 64-bit CPU 1.8GHZ	Decoding Resolution	Support up to 8K/60HZ
		USB	3*USB3.0,5*USB2.0,1*USB3.0 OTG
GPU	Mali-G610 MC4 high-performance GPU	Mipi Camera	30pin FPC interface,support 1300W Camera
Memory	8GB LPDDR4 as standard	COM	5 *COM (1 *RS232,1 *485,1*TTL, 2*RS232/TLL switching sockets)
Storage	EMMC 64GB	GPS	External GPS (optional)
ROM	4KB EEPROM	WIFI, BT	Support dual-band WiFi, Bluetooth
SATA	1 SATA hard drive interface	4G/5G	4G module interface with built-in MINIPCIE, M.2 5G module interface
OS	Android 12	Ethernet	2*1000M Ethernet interface
Network	4G, 5G, Ethernet, WiFi/ Bluetooth, wireless peripheral expansion	TF Card	Support TF card
Video format	Support wmv, avi, flv, rm, rmvb, mpeg, ts, mp4 etc.	LVDS Output	1 dual LVDS interface
Image format	Support BMP, JPEG, PNG, GIF	eDP Output	1*4 lane eDP interface
Play Mode	Support loop, timing, interpolation and other playback modes	HDMI output	1*Standard HDMI output interface
Audio output	Built-in dual channel 4R/10W/per channel, 8R/5W/per channel amplifier	HDMI input	1 *Standard HDMI input connector
		MIPI Output	MIPI LCD interface for 1*40-pin FPC holder
Headphone	Built-in 3.5mm 4-section headphone jack	System Upgrade	Support upgrade through TF,USB

Stay tuned for more new products!