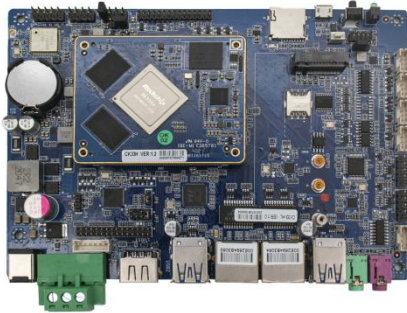


## CK33H(CK33-HL)

Suitable for: Edge Computing, Industrial Automation, Digital Signage, Medical Care etc; **OEM/ODM available**



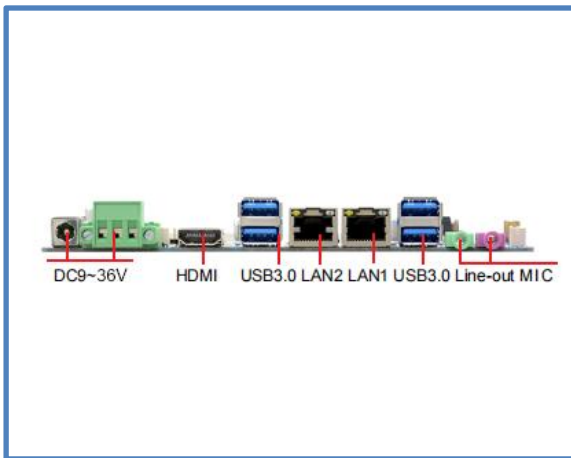
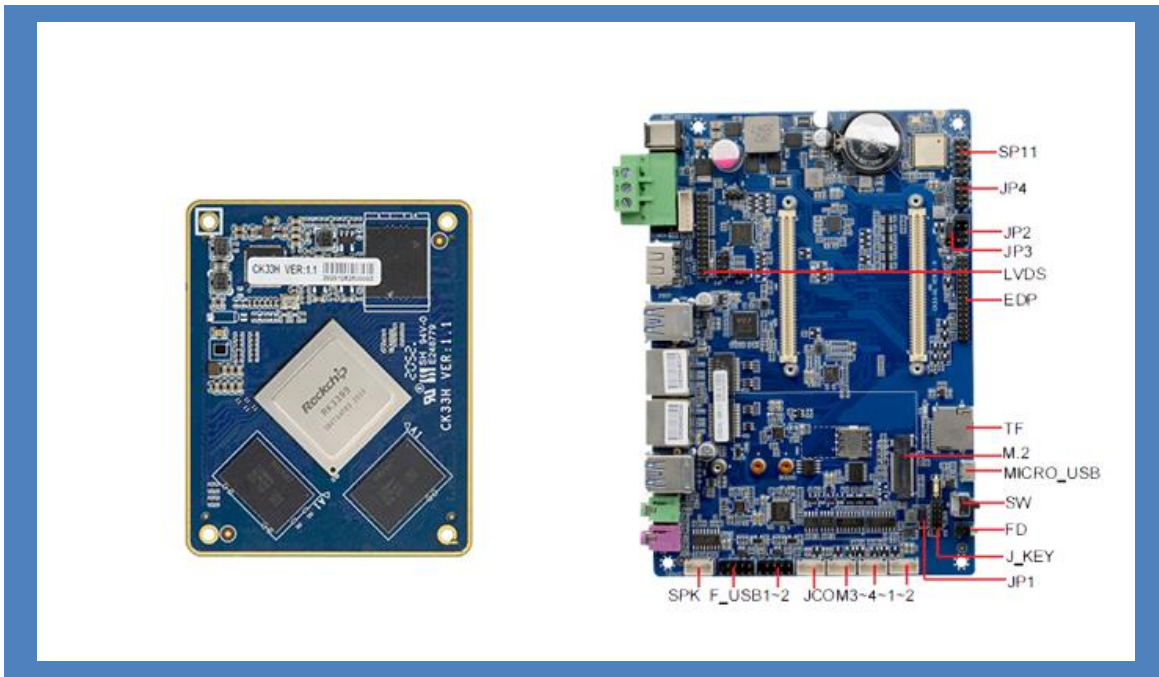
### Main Features

- Onboard Rockchip RK3399 Cortex-A72/1.8GHz dual-core and Cortex-A53/1.4GHz Quad-core Processor
- Onboard LP DDR4 4G RAM
- onboard eMMC 32G memory (up to 128GB); 1x TF card slot (up to 64GB)
- 2x RJ45 GbE ports ; 4x USB2.0, 4x USB3.0
- 1x HDMI, 1x EDP, 1x LVDS
- 1x M.2, support M.2 B-KEY 2242 /2252 4G/5G module
- Built-in WIFI&BT module
- 4x COM; 1x SPI; 1x I2C
- DC\_9~36V Power Input

### Specification :

Model No.	CK33H(CK33-HL) VER:1.0
Processor	CPU Rockchip RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Based on RK3399 SOC platform
Memory	Onboard LPDDR4 4G memory
Display	ARM Mali-T864 GPU, OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
	1x HDMI, 1x EDP, 1x LVDS support two screen display different /two screen display the same
Network	1x RTL8211F Gigabit Ethernet
	1x RTL8111H Gigabit Ethernet
	1x WIFI/Bluetooth module
Storage	1x TF Card slot, maximum support 64G
	1x eMMC5.1 memory chip 32G (16GB/32GB/128GB optional)
Audio	Everest ES8316 Audio chipset onboard, support Line-out, MIC, power amplifier
	The power amplifier supports a 2 Ω 5W dual-channel
Expansion slots	1x M.2, support M.2 B-KEY 2242 /2252 4G/5G module
Backplane I/O interface	4x USB3.0
	1x HDMI
	2x RJ45 Gigabit network interface
	1x Line-out (Green)
	1x MICK (Red)
	1x 3pin DC, Support for 9V to 36V power supply input and output 1x DC, Support for 9V to 36V power supply input and output
Front panel I/O interface	1x TF Card slot
	1x Power light
	1x MICRO_USB2.0
	1x Power switch
Built in I/O interface	1x EDP, 2x15pin
	1x LVDS, 2x15pin
	1x Screen backlight power supply interface, 1x 6pin
	4x USB2.0, 2x 5pin
	1x Power amplifier, 1x 4pin
	1x Front panel function button and indicator light interface, 2x5pin
	4x RS232 serial port, COM3/COM4 support RS485 through software switching
	1x SPI, 2x 5pin, Support for 4 serial port extensions
	1x I2C, 2x 4pin, Available to expand the IO ports
Power Type	DC 9~36V Single power input
GPIO	N/A
OS	Android 7.1, Ubuntu16.04, Linux (Qt+egLfs, pure command mode).

<b>Working temperature</b>	0°C~60°C
<b>Storage temperature</b>	-20°C~70°C
<b>Working Humidity</b>	5%-95% ( relative humidity, non-condensing)
<b>Dimension</b>	165mm x 115mm



**Ordering info:**

NO.	Model	Core Board	Processor	Frequency	Memory	eMMC	EDP	VGA	HDMI	LVDS	DP	WIFI	LAN	USB	COM	Power
1	CK33H(CK33-HL) VER:1.0	CK33H	RK3399	1.8GHz	4G	32G	1	/	1	1	/	1	2	8	4	DC9~36V