

ELSKY QM14U V1.0 Specification

Size	170mm(L)*170mm(W)*21mm(H) (No fan thickness)	
CPU	QM14U	Support Intel Meteor Lake 14th gen Ultra 5, Ultra 7, Ultra 9 U/H series CPU
Power supply	1*DC_IN	The inner diameter of the DC head is 2.5MM and supports 12V/19V
	1*DC_ATX (4Pin)	The maximum power consumption of U series CPU is 57W, and it is recommended to use 12V 7A or 19V5A; H series CPU maximum core frequency power consumption is 115W, it is recommended to use 12V 10A or 19V 6.3A above the power supply;
Memory	2*SODIMM slot	NB-DDR5 memory, support 4800/5600MT/s memory, up to support 96GB
Internet function	1/2*RJ45_LAN port	Single network: the default support of Intel I219V gigabit network card; Dual network: support Intel I219V + Realtek 8111H Gigabit network card; Support network wake-up, PXE function;
	1*M.2-WIFI port	PCIe 4.0 signal, support for Key-E interface M.2 2230 WiFi/Bluetooth module
	1*M.2-4G/5G port	Support the Key-B interface M.2 5G (3052/3042) module or M.2 4G (3042) module
Display function	Integrated Intel Graphics/Intel Arc graphics supercore graphics card Support single display, double/three/four development replication, double/three/four development extension, SHELL double display;	
	1*HDMI2.0 port	Support for 4K resolution 4096/3840*2160@60Hz
	1*HDMI_CON pin	Support for 4K resolution 4096/3840*2160@60Hz (16Pin, 2*8Pin, 2.0mm)
	1*VGA DB15 port	Support resolution 1920*1080@60Hz
	1*DP port (optional)	Support for DP + +, with 4K resolution 4096/3840*2160@60Hz
	VGA interface can support DP interface	
	1*LVDS1/EDP2 pin	LVDS1 support 2K60Hz; EDP2 support 4K60Hz (30Pin, 2*15Pin, 2.0mm)
	1*EDP1 pin	With the EDP-C screen line, support for 4K resolution 4096/3840*2160@60Hz (30Pin, 2*15Pin, 2.0mm)
	1*LVDS_PWR1 pin	LVDS1/EDP2 operating voltage control pin (6Pin, 2*3Pin, 2.0mm)
	1*EDP_PWR pin	The EDP 1 operating voltage control pin (6Pin, 2*3Pin, 2.0mm)
	1*INVERT pin	The LVDS backlight control pin (6Pin, 1*6Pin, 2.0mm)
	Default support LVDS 1, optional support EDP 2, common pins, with EDP-B screen line	
USB function	2*USB3.2 port	The rear standard USB3.2 Gen1 interface, the maximum transmission broadband of 5 Gbps
	2*USB2.0 port	The rear standard USB2.0 interface, the maximum transmission broadband of 480Mbps
	1*F_USB3_A pin	Front USB3.2 pin, one group has 2*USB3.2 (19Pin, 2*10Pin, 2.0mm)
	1*F_USB1 pin	Front USB2.0 pin, one group has 2*USB2.0 (9Pin, 2*5Pin, 2.54mm)
	1*F_USB2 pin	Front USB2.0 pin, one group has 2*USB2.0 (9Pin, 2*5Pin, 2.54mm)
Sound function	Integrated Realtek ALC897 HD digital audio decoder, 6-channel high-fidelity audio controller;	
	1*LINE_OUT port	Support audio output (green)
	1*MIC_IN port	Support microphone input (red)
	1*INT_SPK pin	The power amplifier supports dual-channel output of 8 ohm 5 watt Speakers (4Pin, 1*4Pin, 2.0mm)



	1*F_AUDIO pin	Standard audio insert (9Pin, 2*5Pin, 2.54mm)
Hard Disk Function	1*M.2-SATA/PCIE port	Support PCIE 4.0 signal, support Key-M interface M.2 2280 hard disk, and support NVME and SATA protocol by default
	1*SATA1 port	Standard SATA hard disk interface, with support for SATA 3.0
	1*SATA_PWR pin	Hard disk power supply pin, the cable power 5V, 12V (4Pin, 1*4Pin, 2.54mm)
Switch function	1*F_PANEL pin	Switch, power light, hard disk light, restart pin (9Pin, 2*5Pin, 2.54mm)
	1*AUTO_SW pin	Hardware control power-on boot pin (3Pin, 1*3Pin, 2.0mm)
Other I/O	1*COM1 pin	Support for standard RS232/RS422/RS485 optional (BIOS settings) (9Pin, 2*5Pin, 2.54mm)
	1*COM2 pin	Only the standard RS232 is supported (9Pin, 2*5Pin, 2.54mm)
	1*COM3~6 pin	Only the standard RS232 is supported (39Pin, 2*20Pin, 2.0mm)
	1*JCOM1 pin	COM19th foot set 0V/5V/12V (6Pin, 2*3Pin, 2.0mm)
	1*MSIM1 slot	SIM card supported, SIM card required for 5G/4G
	1*CLR_CMOS pin	Motherboard zero clearance, discharge plug pin (3Pin, 1*3Pin, 2.0mm)
	1*CPU_FAN pin	CPU fan pin, support for temperature control (4Pin, 1*4Pin, 1.25mm)
	1*SYS_FAN pin	System fan pin does not support temperature control at full speed (3Pin, 1*3Pin, 2.54mm)
	1*J_GPIO pin	GPIO control pin (10Pin, 2*5Pin, 2.0mm)
Operating environment	Working temperature: -10°C~60°C; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, Support power-on boot, scheduled boot, remote switch machine intelligent identification	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Support Windows 11, Windows 10, LINUX etc.	

