Netcom OPS-NTE-One Plus 3

Specifications

Picture

Interface picture

OPS side picture

Bottom picture

The picture is for reference only, please refer to the actual product!

Product Model Order Selection :

Model	CPU	4K	SSD	LAN	Type-c	USB2.0	USB3.1	Memory	Power
Netcom OPS-NTE -One plus 3	10 th Generation & Comet Lake 10th Generation Corei3、i5、i7	Support	1*MSATA 1*SATA 2.5 寸 SSE	1	1	2	2	1*NB-DDR4 MAX 16G	12/19V

⚠ **Important Tips :**

1) The OPS supports 12V or 19V power supply, and the full load power consumption is about 65W. It is recommended to use a power supply of 12V7A or 19V5A or more;

2) Host HDMI/DP, daughter card HDMI/DP support single display, dual display copy, dual display expansion, if under DOS only single display ;

3) HDMI 1.4 on the motherboard and DP on the motherboard are two options, support HDMI 1.4 by default, if you need DP, it need to change the motherboard;

4) HDMI 2.0 on the daughter card and DP on the daughter card are two options, support HDMI 2.0 By default, if you need DP, it need to change the motherboard;

5) HDMI 1.4 on the motherboard supports 4K resolution 4096/3840*2160@30Hz;

6) HDMI 2.0 on the daughter card side supports 4K resolution 4096/3840*2160@60Hz;

7) DP on the mainboard and DP on daughter card support 4K resolution 4096/3840*2160@60Hz;

8) The host MSATA interface supports MSATA disks by default without USB signals; SATA signals can be changed to coexist with USB signals. After the change, F_USB1 pins 1, 3, 5, and 7 have no signals, and SATA signals can be changed to PCIE signals;

9) The host Mini-PCIE interface defaults to the coexistence of PCIE signals and USB signals (supports WIFI/3G/4G/Bluetooth module by default), and the PCIE signal cannot be changed to the SATA signal;

10) The blue USB interface and Type-C interface of the host support USB3.1 Gen2, and the maximum transmission bandwidth is 10.0Gbps. Among them, the Type-C USB2.0 signal and the F_USB1 2nd, 4th, 6th, 8Pin USB signal are two options, the default Support Type-C, default F_USB1 pin 2, 4, 6 and 8 have no signal;

11) All USB ports and pins of the host default to S power (shutdown without power), and can be changed to A power (shutdown with power);

12) Host COM1 supports RS232 by default, COM1 on the mother board and TTL on the sub-card are options;

13) The host does not support the daughter card LVDS;

14) The host only supports a single Gigabit Ethernet port

CPU Information

CPU Specification	CPU Brand	CPU Model	Main frequency	Rue frequency	CPU Power consumption（W）
10th gen I3	Core	10110U	Dual Core2.1G	4.10 G	15
10th gen I5	Core	10310U	Quad Core1.7G	4.40 G	15
	Core	10210U	Quad Core1.6G	4.20 G	15
10th gen I7	Core	10510U	Quad Core1.8G	4.90 G	15
	Core	10610U	Quad Core1.8G	4.90 G	15
	Core	10810U	Six core1.1G	4.90 G	15
	Core	10710U	Six core1.1G	4.70 G	15

Specification

Motherboard Model	Netcom OPS-NTE-One Plus 3	Motherboard Size	120mm（L）*180mm（W）*30mm（H）
CPU Processor	Support 10th Comet Lake CPU：I3-10110U、 I5-10210U、I7-10510Uetc.		
Memory support	1*NB-DDR4 SODIMM Memory slots，support 2133/2400/2666MHzMemory，Maximum support16GB		
Power supply	1*DC_IN	support 12V/19V Voltage DC Head Internal diameter 2.5MM Motherboard Full load power consumption 65W，Recommended 12V7A or above power	
Display function	Integrated Intel UHD Graphics ultra-core graphics card, support single display, dual display copy, dual display expansion, single display under DOS		
	1*HDMI 1.4 interface (on the motherboard	Support 4K resolution 4096/3840 * 2160@30Hz	
	1*DP interface (on the motherboard	Support 4K resolution 4096/3840 * 2160@30Hz	
	HDMI 1.4 on the motherboard and DP on the motherboard are two options, support HDMI 1.4 by default		
	1*HDMI 2.0 interface (daughter card end)	Support 4K resolution 4096/3840 * 2160@30Hz	
	1*DP interface (daughter card end)	Support 4K resolution 4096/3840 * 2160@30Hz	
	HDMI 2.0 on the daughter card and DP on the daughter card are two options, support HDMI 2.0 by default		
Network function	1*RJ45 LAN interface	Realtek 8111H Gigabit Ethernet chip, supports Wake-on-LAN and PXE diskless boot function	
	1*Mini-PCIE interface	Support WIFI/Bluetooth/3G/4G module	
Hard disk function	1*JSATA interface	2.5-inch hard disk, can be directly connected to 2.5-inch hard disk, support SATA 3.0	
	1*MSATA interface	Support MSATA disk, support SATA 3.0	
Sound function	Integrated Realtek ALC662/660 HD digital audio decoder, 6-channel high-fidelity audio controller		
	1*LIN_OUT interface	Support audio output (green)	
	1*MIC_IN interface	Support microphone input (red)	

USB Function	2*USB3.1 interface	Rear standard USB3.1 Gen2 interface, the maximum transmission bandwidth is 10.0Gbps
	2*USB2.0 interface	Rear standard USB2.0 interface, the maximum transmission bandwidth is 480Mbps (60MB/s)
	1*Type-C interface	Standard Type-C interface, support USB3.1 Gen2, maximum transmission bandwidth is 10.0Gbps
Switch function	1*PWR_SW button	Switch button
	1*AUTO_SW pin	Hardware control power-on pin (3Pin , 1*3Pin , 2.0mm)
	1*RST_SW1button	Support hardware restart
Other I/O	1*SIM_CARD slot	Support SIM card, SIM card is required when using 3G/4G
	1*JCMOS button	Motherboard reset, discharge button
	1*OPS interface	Standard 80Pin OPS interface
	1*One-key restore button	Support system one-key restore
	1*LED	Power and hard disk status indicator
Operating environment	Working temperature: -20℃~60℃; 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 10 64bit, Linux, etc.	