AURA-W121-MTL

Flagship Intel® MTL Industrial Panel PC



Features

» Ultimate Performance: Intel® MTL CPU with up to 96GB DDR5 for Edge AI tasks.

» Front-Access Interaction: Built-in Camera, Speakers, and Hot Keys (Vol/Bri/Power) for easy control after mounting.

» Pro-Grade Touch: Advanced PCAP touch optimized for precision with industrial gloves or wet hands.

» Full-Size Portfolio: From 12.1" to 31.5" with a unified aesthetic, fitting everything from HMI to dashboards.

» Industrial Ruggedness: IP65 front panel and 10V~28V DC input for lasting stability in mission-critical applications.

Specifications

System	
CPU	Intel® Core™ Ultra processors (Series 1)
	Intel® Core™ Ultra 7 Processor 155U
	Intel® Core™ Ultra 5 Processor 125U
On-board Memory	Two 262-pin 5600 MT/s dual-channel DDR5 SO-DIMM (16GB pre-installed) (up to 96GB)
Storage	1 x Onboard NVMe (optional, MOQ required)
I/O Interface	
Ethernet	LAN1: Intel® I226LM 2.5GbE controller
	LAN2: Intel® I226V 2.5GbE controller
Expansion	1 x 2230 E-key (PCIe Gen3 x 1 / USB2.0)
	1 x 2280 M-key (PCIe Gen4 x 4)
	1 x 3042/3052 B-key (PCIe Gen3 x 1 / USB3.2 Gen1 / USB2.0)
	1 x On-board SIM card socket (hinge type) for M.2 B key
I/O Ports and Switches	1 x HDMI 1.4 (4K@30)
	1 x USB Type-C (USB3.2 Gen2 & Display port)
	2 x RS232/422/485 (DB9)
	3 x USB 3.2 Gen2 Type-A
	2 x USB2.0 Type-A
	1 x 3-pin terminal block
	1 x Power button
	1 x ATX Switch
	1 x Clear CMOS
Power	
Input	10-28V DC
Environment	
Operating Temperature	-20°C ~ 50°C
Safety & EMC	CE, FCC
Humidity	10% to 90%@40°C (non-condensing) (50%@50°C)
Storage Temperature	-20°C ~ 70°C

IP Level	IP 65 compliant front panel
Physical Characteristics	
Color	Black
Mounting	Panel Mount, Rack Mount, VESA 100 x 100
Dimensions (LxWxH) (mm)	298.00 x 217.50 x 56.10
LCD	
Size	12.1"
Resolution	1280 x 800(16:10)
Brightness (cd/m2)	500
Contrast Ratio	1200: 1
LCD Color	16.7M
Viewing Angle (H-V)	170°/170°
Backlight MTBF	50000
Touch	
Touch Screen	PCAP with USB interface (anti-UV/AG coating)
Touch Controller	Capacitive: ilitek ILI2520
Other Features	
Audio	1 x Mic
	1 x Line-out
	2 x internal 2W speaker
Camera	720P Wide Angle Fixed Focus
Function Key	
Function Key	5-key Hot Key

Ordering Information

AURA-W121-MTL-U7AD-R10	12.1" 500 cd/m² 1280 x 800 Panel PC with Intel® Core™ Ultra 7 155U Processor (12M Cache, up to 4.80 GHz), TDP 15W, 16GB DDR5, black, 10-28V DC input, PCAP touch, with Camera & speaker & hotkeys, R10
AURA-W121-MTL-U5AD-R10	12.1" 500 cd/m² 1280 x 800 Panel PC with Intel® Core™ Ultra 5 125U Processor (12M Cache, up to 4.30 GHz), TDP 15W, 16GB DDR5, black, 10-28V DC input, PCAP touch, with Camera & speaker & hotkeys, R10

Packing List

1 x Panel Mount Kit	1 x 3-pin Terminal block plugs
1 x Screw pack	1 x QIG