

SHIELD-185-U

18.5" stainless steel waterproof Panel PC with Intel® Meteor Lake Processor



Features

- » Intel® Meteor Lake Ultra 5/7 processor
- » 10~28V wide voltage input
- » 304 stainless steel housing
- » Pre-installed with high-performance 16GB DDR5 memory, up to 96GB
- » Optional High-speed transmission fiber optic module
- » Fully waterproof interface

Specifications

System	
CPU	Intel® Meteor Lake Ultra 5 processor 135U
	Intel® Meteor Lake Ultra 7 processor 165U
On-board Memory	2 x SO-DIMM DDR5-4800 up to 96GB (Pre-installed 16GB)
Memory Max.	96GB
Storage	1 x M-Key 2280 (PCIe Gen4 x4) for M.2 SSD
	1 x 128GB eMMC (optional)
I/O Interface	
Ethernet	2 x 2.5GbE LAN via Intel I226-IT
Expansion	1 x M.2 M-Key 2242/2280 (PCIe Gen4 x 4)
	1 x M.2 B-Key 3052/3080 (PCIe Gen3 x1 + USB 3.2 x1)
	1 x NANO-SIM
	1 x M.2 A-key 2230 (PCIe Gen3 x1 + USB 2.0 x1)
Power	
Input	DC 10~28V
Environment	
Operating Temperature	-10°C ~ 55°C @50%RH
Safety & EMC	CE/FCC
Humidity	10% to 90%RH@40°C, non-condensing
Storage Temperature	-40°C ~ 70°C
IP Level	Fully IP69K
Physical Characteristics	
Mounting	VESA Mount 100 x 100 / Pole Mount / YOKE Mount
Construction	304 Stainless Steel
LCD	
Size	18.5"
Resolution	1920 x 1080 (16:9)
Brightness (cd/m2)	500 cd/m²
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.213 (H) x 0.213 (V)
Viewing Angle (H-V)	178°/178°
Backlight MTBF	50000hours
Touch	
Touch Screen	Multi-point projected capacitive type
	(anti-UV / anti-glare coating, support gloves)
Touch Controller	ILI2521

Other Features	
Camera	1 x Camera (Wide-viewing angle)
I/O Interface	
I/O Interface	1 x CAN-bus (with 2.0 kV isolation)
	1 x DC Input Jack
	1 x GPIO (with 1.6 KV isolation)
	1 x HDMI™ (1.4b)
	2 x LAN (2.5GbE)
	1 x Power Switch
	1 x RS-232 (with 2.0 kV isolation)
	1 x RS-232/422/485 (with 2.0 kV isolation)
	1 x USB 2.0
	1 x USB 3.2 Gen1x1

Ordering Information

SHIELD-185-U7AD-R10	18.5" 500cd/m² 1920x1080 Panel PC with Intel® Core™ Ultra 7 processor 155U , Preinstalled with 16GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP66 Rated With Water-Proof Connectors, R10
SHIELD-185-U5AD-R10	18.5" 500cd/m² 1920x1080 Panel PC with Intel® Core™ Ultra 5 processor 125U , Preinstalled with 16GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP66 Rated With Water-Proof Connectors , R10

Packing List

1 x SHIELD-185-U	1 x Power Cable
1 x USB2.0 Cable	1 x LAN Cable
1 x QIG	