SHIELD-215

21.5” IP69K stainless steel Panel PC with Intel® Amston Lake Processor

Features

» Intel Atom® X7433RE / X7835RE Processor

» 10~28V wide voltage input

» 304 stainless steel housing

» Pre-installed with high-performance 8GB DDR5 memory, up to 16GB

» Optional WiFi 6E and Bluetooth® 5.2

» Optional High-speed transmission fiber optic module

» M12 fully waterproof interface

Specifications

System	
CPU	Intel Atom® x7433RE Processor 6M Cache, up to 3.40 GHz / TDP 9w
	Intel Atom® x7835RE Processor 6M Cache, up to 3.40 GHz / TDP 12w
Memory Ext.	1 x SO-DIMM DDR5-4800, up to 16GB (Pre-installed 8GB) (ECC supported)
Storage	1 x M-Key 2280 (PCIe Gen3 x2) for M.2 SSD
	1 x 128GB Emmc (optional)
Communication	
Wireless	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (optional)
I/O Interface	
Ethernet	2 x 2.5GbE LAN via Intel I226-IT
Expansion	1 x M.2 M-Key 2242/2280 (PCIe Gen3 x1 + SATA)
	1 x M.2 B-Key 3052/3080 (PCIe Gen3 x1 + USB 3.0 x1)
	1 x NANO-SIM
	1 x M.2 E-key 2230 (PCIe Gen3 x1 + USB 2.0 x1) for optional WIFI/BT module
Power	
Power Supply	DC 10~28V
Environment	
Operating Temperature	-30°C~55°C@50%RH
Safety & EMC	CE, FCC (Class A)
Humidity	10% ~ 90% (non-condensing)
Storage Temperature	-40°C ~ 70°C
IP Level	Fully IP69K
Physical Characteristics	
Color	silver
Mounting	Yoke / VESA 100mm
LCD	
Size	21.5”
Resolution	1920 x 1080 (16:9)
Brightness (cd/m2)	500 cd/m²
Contrast Ratio	1000 : 1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178°/178°
Backlight MTBF	50000 hours
Touch	

Touch Screen	PCAP with USB interface (anti-UV/AR coating)
Touch Controller	ILI2520
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 SMbus (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-215-R4C-R10	21.5" 500cd/m² 1920x1080 Panel PC with Intel® Atom x7835RE Processor, TDP 12W, Preinstalled with 8GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP69K Rated With Water-Proof Connectors , R10
SHIELD-215-R3C-R10	21.5" 500cd/m² 1920x1080 Panel PC with Intel® Atom x7433RE Processor, TDP 9W, Preinstalled with 8GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP69K Rated With Water-Proof Connectors , R10

Packing List

1 x SHIELD-215	1 x Power Cable
1 x USB2.0 Cable	1 x LAN Cable
1 x QIG	