

IP-121 SERIES

Full IP65 Stainless Touch IPC

Features

Fanless and rugged design
Intel® 13th Gen Raptor Lake-P Embedded/Industrial SKU Series
High brightness sunlight readable solution
Display Size: 12.1" / 15" / 17" / 19" / 21.5" / 24"
5 Wires Resistive / True Flat PCT solution
Full 304 IP65 6 sides stainless chassis
All IP65 M12 waterproof connectors
2 x M12 RS232, 2 x M12 GLAN, 2 x M12 USB 2.0
Wide Voltage DC-IN 12~24V (OCP & OVP)
VESA mount & Yoke mount



Specifications

Display for 4:3 Ratio				Display for 16:9 Ratio		
Size	12.1" TFT	15" TFT	17" TFT	19" TFT	21.5" TFT	24" TFT
Resolution	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024	1920*1080	1920*1080
Colors	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
Luminance	350 cd/m2	300 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2
Contrast Ratio	800:1	2500:1	1000:1	1000 : 1	3000 : 1	1000 : 1
View Angle (H/V)	160°/160°	176°/176°	170°/160°	170°/160°	176°/176°	170°/160°
SYSTEM						
CPU	Intel® Mobile 13th Core™ i5-1345UE , 28W					
Memory	Single-channel DDR5 5200 MHz Up to 32 GB					
Storage	1 x SATA 3.0					
OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2)			Linux (Support by request)		
	Windows 11 IoT Enterprise (64-bit, 23H2, Pre-scan)					
I/O Ports	* The I/O interface shown may vary depending on the selected motherboard.					
M12 RS232	2			M12 USB 2.0	2	
M12 GLAN	2					
Expansion Slot						
M.2	1 x M.2 M key (PCIe Gen4 x4 NVMe), 2280 1 x M.2 B key (PCIe x1, USB 2.0, w/NANO SIM-Holder), 2242/3042 1 x M.2 E key (PCIe x1, USB 2.0, w/CNVi), 2230					
MECHANICAL & ENVIRONMENTAL						
Operation Temp.	0 ~ 45°C					
Storage Humidity	10 ~ 90%, non-condensing					
Form Factor						
Touch Screen	15"/17"/19" : PCT / 5W (Single touch) 12"/15"/17"/19"/21.5"/24" : Projected Capacitive Multi-Touch Panel					
Mounting	VESA mount (100x100mm) & Yoke mount					
WIFI Optional	External Antenna (Wi-Fi): Supports M.2 Wi-Fi module with external antenna connection for enhanced signal performance					
Power adaptor	Full IP67 Waterproof Power adaptor : Specifications may vary by country (150W / 100 ~ 305V AC input / 12V DC output) / (150W / 100 ~ 305V AC input / 24V DC output)					

