GP-121 SERIES

Full IP67 Stainless Touch IPC

Features

Intel® Mobile 13th Core™ i5-1345UE
Fanless solution and compact housing
DDR5 5200 MHz SODIMM Slot up to 32GB
Full IP67 Stainless design
All M12 waterproof connectors
Display Size: 10.4" / 15" / 17" / 19" / 21.5" / 24"
DC-in 12~24V
True Flat PCT (IP66 / IP67) / 5W (IP66) resistive touch solution
Yoke Mount / VESA Mount



Specifications

Display for 4:3 Ratio				Display for 16:9 Ratio		
Size	10.4" 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	900:1	2500:1	1000:1	1000：1	3000：1	1000：1
View Angle (H/V)	150°/150°	176°/176°	170°/160°	170°/160°	176°/176°	170°/160°

SYSTEM			
CPU	Intel® Mobile 13th Core™ i5-1345UE		
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) Windows 11 IoT Enterprise (64-bit, 23H2, Pre-scan)	Linux (Support by request)	
I/O Ports	＊The I/O interface shown may vary depending on the selected motherboard.		
M12 RS232	2	**M12 GLAN**	2
M12 USB 2.0	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	True flat PCT / 5 wires resistive		
Mounting	Yoke Mount / VESA Mount		
Power Supply	Full IP67 Waterproof Power Adapter: 12V/24V default; 9–36V input supported. Customization by customer.		
Optional			
Panel Type	High Brightness LCD Panel: Available in various sizes and brightness specifications. Please inquire for available options and custom configurations		
WIFI	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)		