

TPC21-13

Industrial Panel PC



PC Specs

CPU:	Intel® Elkhart Lake SoC Processor, J6412, max.speed up to 2.6GHz, Quad-Core, 10W	O/S:	Win11 IoT Enterprise / Win11 Pro
Bios:	AMI SPI 256 Mbit	USB Interface:	1 x USB 3.2 Gen2, 2 x USB 2.0
Memory:	2 x SO-DIMM, DDR4 3200MHz, up to 32GB	Security:	TPM 2.0 onboard IC
Storage:	1 x M.2 (Key M) with PCIe x1 for SSD 1 x SATA3 (6Gb/s)	Serial Port:	1 x RS-232 Port [9-pin D-Sub]
Expansion slots:	1 x M.2 (Key B, 3042/3052) with PCIe x1/USB 3.2 and USB 2.0 and SIM for 4G/5G 1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0 for Wireless	Ethernet:	2 x Intel® 10/100/1000/2500Mbps LAN
		Second Display:	VGA D-type max. res. up to 1920 x 1200
		Third Display:	HDMI 2.0b max. res. up to 4096 x 2160 @60Hz
		Optional Wi-Fi:	Single / Dual-band Wi-Fi, 1 or 2 x Antenna
		SIM:	1 x SIM Socket connected to M.2 Key B

Display

Screen Diagonal:	21.53" (546.86mm) Aspect Ratio 16:9
Resolution:	FHD 1920 x 1080p @ 60Hz (Native)*
Pixel Pitch:	0.248mm x 0.248mm
Display Area:	476.64mm(H) x 268.11mm(V)
Viewing Angles:	178°(Left/Right) / 178°(Up/Down)
Brightness:	300 cd/m ²
Contrast Ratio:	5000:1
Response Time:	25ms
Colours:	16.7M [True 8 bits]

Touchscreen Options

With Touchscreen: Black-Border, Projected Capacitive, 10-point Multitouch / Surface Capacitive, 10-point Multitouch / 5-wire Resistive

Without Touchscreen Anti-Glare PolyCarb Screen Overlay

Power / Environment

Power Supply: 90-265V AC IEC mains input
12V/24V/48V DC Input (Optional)

Power Consumption: TBC

Power Settings: AT: Directly PWR On as power input is ready
ATX: Press Button to PWR On after power input ready

Operating Temperature : 0°C to +60°C

Storage Temperature: -20°C to +60°C

Humidity: 5% to 90% Relative Humidity, non-condensing

Physical Attributes

Dimensions / Weight: PM/RM: 10kg | MC: 8kg | Chassis: 6kg [approx.]
(For accurate dimensions please contact Sales@nemacom.co.uk)

Housing Material: Standard: Mild steel - RAL 9005 Black textured paint finish
Options: 304/316 Stainless steel | Bespoke paint | Custom sizes | Custom specs.

IP Sealing: Viewable Side Sealed to IP66

Options and Extras

Applications: Automation | Food Processing | Manufacturing | Pharmaceutical Process Control | Advertising | Digital Signage | Marine

AV Accessories: Nemacom Ltd are an authorised reseller of high quality Kramer products including, Computer Graphics Video Distribution Amplifiers, Video Switchers, Routers and Cables

Certifications

Safety & Approvals: UKCA

Installation

Mounting Options: Panelmount | 8U Rackmount | Metal Cased (VESA mount) | Chassis/Open Frame

Warranty & Support

Warranty: 5 years return to Nemacom

Support: Full UK Product Lifetime Support



* A full list of supported video standards is available on request.

** Approx. reading, contact Nemacom Ltd for an accurate figure based on a particular configuration.

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