

TPC21-16

Industrial Panel PC



PC Specs

CPU:	13th Generation Intel® Core™ i7/i5/i3/U-series Processor SoC	O/S:	Win11 IoT / Win11 Pro / Ubuntu
Bios:	UEFI	USB Interface:	3 x USB 3.2 Gen2 1 x USB Type-C (USB 3.2 Gen 2) (support DP 1.4a display out)
Memory:	DDR5 4800, Dual-Channel SO-DIMM, max. 64GB	Security:	TPM 2.0 (Optional)
Storage:	1 x SATA 6Gb/s	Serial Port:	2 x RS-232/422/485, 9-way D-type
Expansion slots:	1 x M.2 2280 M-Key (PCIe 4.0 [x4] x1) 1 x M.2 2230 E-Key (PCIe 3.0 [x1] + USB2.0) 1 x M.2 3052/3042/2242 B-Key (PCIe 3.0)	Second Display:	HDMI, up to 8Kx4K@60Hz or 4Kx2K@120Hz
Ethernet:	1 x Intel® 2.5 Gigabit LAN 1 x Intel® 1.0 Gigabit LAN	Third Display:	DisplayPort 1.4, up to 7680 x 4320 @60Hz 30bpp (supports DP++)
		Optional Wi-Fi:	Single / Dual-band Wi-Fi, 1 or 2 x Antenna

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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