

TPC55-16

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:	54.6" (1386.84mm) Aspect Ratio 16:9
Resolution:	1920 x 1080 @ 60Hz (Native)*
Pixel Pitch:	0.63mm x 0.63mm
Display Area:	1209.6mm (H) x 680.4mm (V)
Viewing Angles:	178° (H) / 178° (V)
Brightness:	700 cd/m ²
Contrast Ratio:	4000:1
Response Time:	6.5ms
Colours:	1073.7M 10 bit (8-bit+FRC)

Touchscreen Options

With Touchscreen:	PCAP Touchscreen
Without Touchscreen	Anti-Glare PolyCarb Screen Overlay

Power / Environment

Power Supply:	90-265V AC IEC mains input 24V/48V DC Input, Phoenix connector (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 +50°C
Storage Temperature:	-20°C to + 60°C

Physical Attributes

Dimensions / Weight:	PM: 50kg MC: 48kg Chassis: 45kg [approx.] (For accurate dimensions please contact Sales@nemacom.co.uk)
Housing Material:	Standard: Treated Steel - Black Textured Paint finish Options: 304/316 Stainless Steel Bespoke Paint Custom Sizes Custom Specifications
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
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Installation

Mounting Options:	Panelmount Metal Cased (VESA mount) Chassis/Open Frame
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Warranty & Support

Warranty:	3 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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