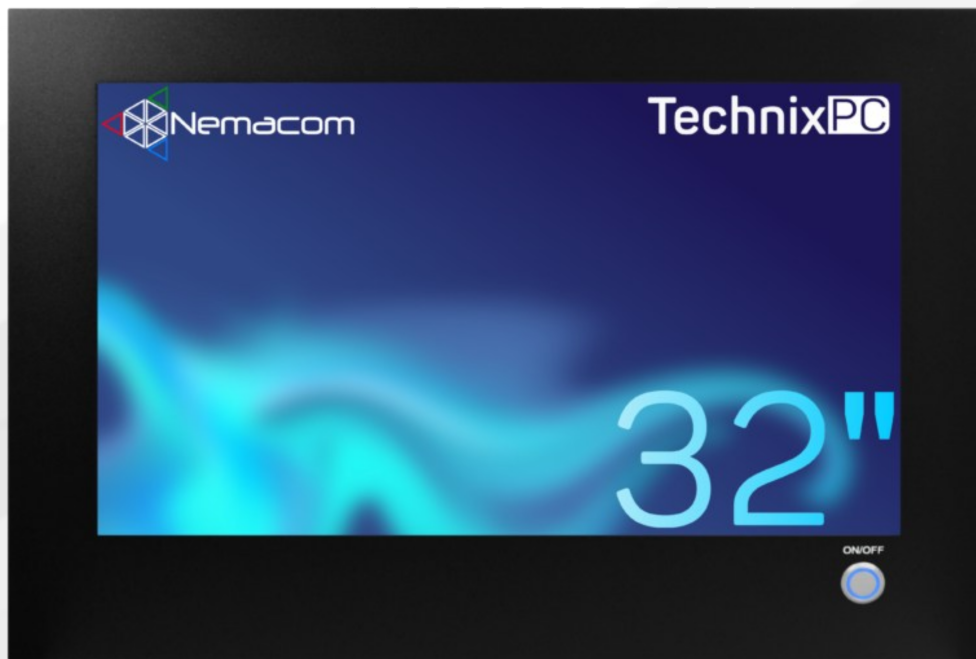


# TPC32-16

## 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<br>1 x USB Type-C (USB 3.2 Gen 2)<br>(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)<br>1 x M.2 2230 E-Key (PCIe 3.0 [x1] + USB2.0)<br>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<br>1 x Intel® 1.0 Gigabit LAN                                                                        | Third Display:  | DisplayPort 1.4, up to 7680 x 4320 @60Hz<br>30bpp (supports DP++)                   |
|                  |                                                                                                                                 | Optional Wi-Fi: | Single / Dual-band Wi-Fi, 1 or 2 x Antenna                                          |

| Display          |                                   |
|------------------|-----------------------------------|
| Screen Diagonal: | 31.5" (800.1mm) 16:9 Aspect Ratio |
| Resolution:      | Full-HD 1920 x 1080, 60Hz native* |
| Pixel Pitch:     | 0.3637mm x 0.3637mm               |
| Display Area:    | 689.4mm (H) x 392.85mm (V)        |
| Viewing Angles:  | 178° (H) / 178° (V)               |
| Brightness:      | 500 cd/m <sup>2</sup>             |
| Contrast Ratio:  | 3000:1                            |
| Response Time:   | 8ms                               |
| Colours:         | 16.7M [True 8 bits]               |

## Touchscreen Options

With Touchscreen: Zytronic Projected Capacitive, 10-Point Multi-Touch

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: 60 Watts\*\*

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 - 50°C

Storage Temperature: -20°C to +60°C

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

## Physical Attributes

Dimensions / Weight: PM: 17kg | MC: 16kg | Chassis: 14kg [approx.]  
(For accurate dimensions please contact [Sales@nemacom.co.uk](mailto: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

## Installation

Mounting Options: Panelmount | Metal Cased | 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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