

PPC1022

Industrial Panel PC Series



PPC1022

PRODUCT HIGHLIGHTS

- ▶ 21.5" TFT Full HD 16:9 Heavy Industrial Panel PC
- ▶ 6th Gen Intel® Core™ i3 or i5 processor
- ▶ Metal housing with robust aluminium front zero bezel
- ▶ 10 points P-Cap multi-touch panel
- ▶ Dual GbE/2nd DisplayPort/Dual USB 3.0 & USB 2.0
- ▶ 1 x mini-PCIe socket, 1 x M.2, 1 x RS232/422/485
- ▶ DDR3L 8GB/2.5" HDD bracket
- ▶ IP66 compliant front panel
- ▶ Mounting support: panel/wall/stand/VESA 100mm x 100mm
- ▶ Power input 24VDC



TECHNICAL INFORMATION

PANEL	LCD size: 21.5", 16:9 Resolution: FHD 1920 x 1080 Luminance: 250cd/m2 Contrast ratio: 5000 LCD colour: 16.7M Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R) Backlight: LED
TOUCH SCREEN	Ten points P-Cap (projected capacitive touch) Touch light transmission: 87% Anti-scratch surface: 7H hardness Touch interface: USB
SYSTEM	Support 6th generation Intel® Core™ i5/i3 BGA type processor - Core™ i5-6300U, 3M Cache, up to 3.0GHz - Core™ i3-6100U, 3M Cache, up to 2.3GHz CPU: on-board 6th generation Intel® Core™ i5-6300U Processor, 2.40G BIOS: AMI BIOS System memory: 2 x 204-pin DDR3L SO-DIMM socket, 8GB DDR3L (default), support up to 16GB DDR3L-1866, non-ECC and un-buffered Storage device: - 1 x M.2 2242 B key socket: optional M.2 2242 storage - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C) Expansion: 1 x mini-PCIe sockets (support optional Wi-Fi module) Front LED indicator to show operating status
REAR I/O	Ethernet: 2 x RJ45 2nd DisplayPort: 2 x DP1.2 USB: 2 x USB 2.0, 2 x USB 3.0 LED indicator: power/HDD/GPIO programmable LED Power button COM #1: RS232/422/485 COM #2&3: RS232
AUDIO	N/A
ETHERNET	LAN chip: dual Intel® I210-AT Gigabit LAN Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

► TECHNICAL INFORMATION (CONTINUED)

MECHANICAL & ENVIRONMENTAL	Colour: black silver front bezel IP protection: IP66 front Mounting: panel/wall/stand/VESA 100mm x 100mm System with panel mounting kit w/o panel mounting hole - Power input: 24 VDC - Power adapter: optional AC to DC power adapter (+24V, 60W) Vibration: - IEC 68 2-64 (w/ HDD) - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating) - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating) - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating) Shock: - IEC 68 2-27 - HDD: 20G@wall mount, half sine, 11ms - Operating temperature: 0°C to 50°C - Storage temperature: -20°C to 75°C Operating humidity: 10%~90% relative humidity, non-condensing Dimension: 562.4 x 382.4 x 80.55 mm Weight: 8.26 kg
CERTIFICATIONS	CE (including EN61000-6-2/EN61000-6-4) FCC class A
OS SUPPORT	Windows 10 IoT 64-bit
OPTIONS	24V, 120W AC/DC power adapter w/o power cord
PART NUMBERS	PPC1022 Panel PC with Core™ i3-6100U, 3M Cache, up to 2.3GHz PPC1022-1 Panel PC with Core™ i5-6300U, 3M Cache, up to 3.0GHz

▶ MECHANICAL DRAWING



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