

PPC1020

Industrial Panel PC Series



PPC1020

PRODUCT HIGHLIGHTS

- ▶ 21.5" Full HD 16:9 Heavy Industrial Panel PC
- ▶ Intel® Celeron® J1900 low power consumption CPU
- ▶ Metal housing with robust aluminium front zero bezel
- ▶ 10 points P-Cap multi-touch panel
- ▶ Dual GbE/2nd display-VGA/Line-out
- ▶ 3 x USB/2 x mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- ▶ DDR3L 4GB/2.5" HDD bracket
- ▶ IP66 compliant front panel
- ▶ Mounting support: panel/wall/stand/VESA 100mm x 100mm
- ▶ Wide range power input 12~30VDC



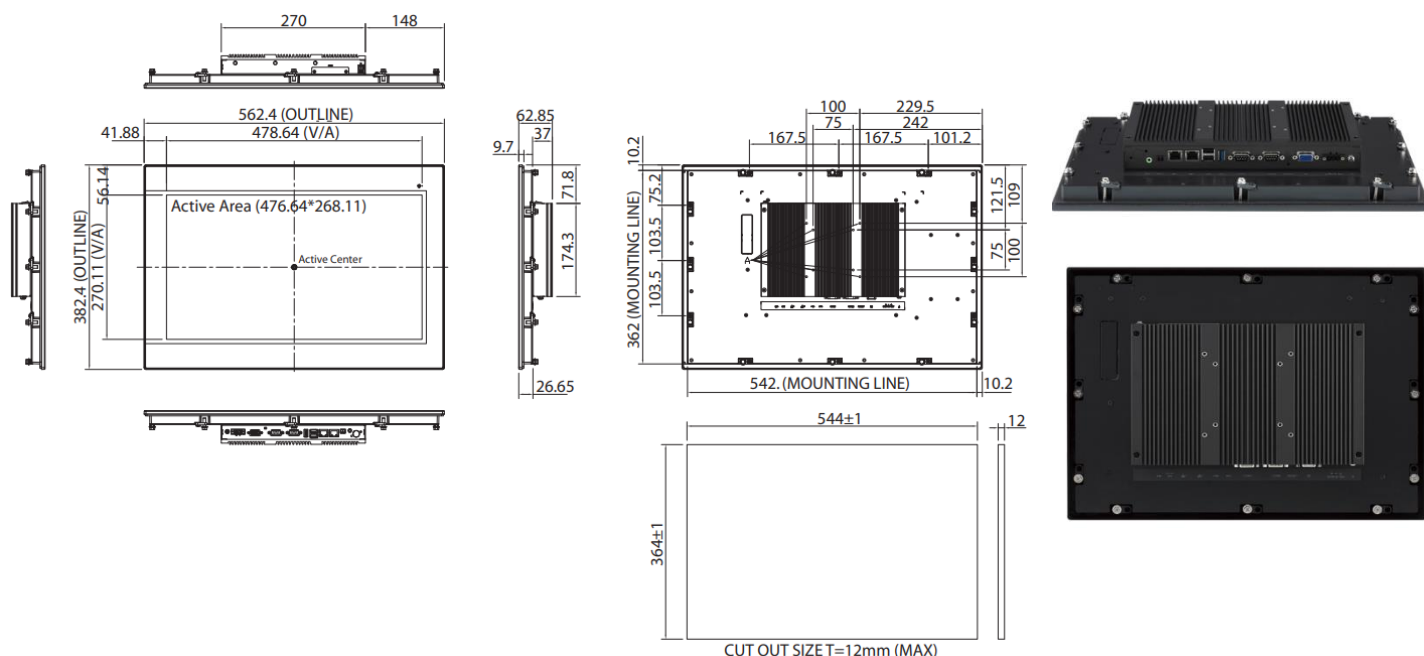
TECHNICAL INFORMATION

PANEL	LCD size: 21.5", 16:9 Resolution: Full HD 1920x1080 Luminance: 300cd/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	CPU: on board Intel® Celeron® Quad Core processor J1900, 2.0GHz, 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled) BIOS: AMI BIOS System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered Storage device: - 1 x external locked CFast socket - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM 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) H/W status monitor: monitoring system temperature, and voltage Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module or fieldbus card) Panel backlight control button: Increase brightness/decrease brightness/ backlight on/off Front LED Indicator to show operating status
REAR I/O	Ethernet: 2 x RJ45 2nd display VGA port: 1 x DB15 Audio port: 1 x Line out USB: 2 x USB 2.0, 1 x USB 3.0 2-pin Remote Power on/ off switch Power switch Reset button COM #1: RS232/422/485 w/ 2.5kv isolated COM #2: RS232/422/485 w/ 2.5kv isolated
AUDIO	HD codec: Realtek ALC886-GR Audio interface: Line-out audio jack
ETHERNET	LAN chip: dual Intel® I210AT Gigabit LAN Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

► TECHNICAL INFORMATION (CONTINUED)

MECHANICAL & ENVIRONMENTAL	Colour: Pantone 432C/RAL 70 24 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: 12~30VDC Power adapter: Optional AC to DC power adapter (+12V, 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: -10°C to 60°C Storage temperature: -20°C to 75°C Operating humidity: 10%~90% relative humidity, non-condensing Dimension: 562.4x382.4x62.85mm Weight: 9.26Kg
CERTIFICATIONS	CE (including EN61000-6-2/EN61000-6-4) FCC class A
OS SUPPORT	Windows 7 32-bit/64-bit Windows 10 64-bit
OPTIONS	12V, 60W AC/DC power adapter w/o power cord

MECHANICAL DRAWING



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