12.1" HD Industrial Fanless Panel PC with Intel® Celeron® J1900 Quad Core 2GHz with 5-wire Resistive Touch (Model: IPCW1210PC-TR)

- 12.1-inch HD 1024x768 (4:3)
- Flat screen with 5-wire resistive touch supports multi-touch function
- 9V-30V wide range DC power input
- Fanless cooling system with Intel® Celeron® J1900 quad core 2 GHz
- SDRAM DIMM pre-installed with 2GB DDR3L RAM (max capacity 8G)
- Built-in 802.11b/g/n wireless LAN
- Landscape and portrait screen modes support different applications
- Front panel is compliant with IP 65 protection standard
- iTechLCD One Key Recovery solution allows you to create rapid OS backup and recovery (suggested with over 4 GB storage capacity)

HD High Performance Interactive System

The IPCW1210PC has a 12.1-inch display with HD 1024 x 768 pixels and is pre-installed with a high-performance Celeron® J1900 CPU, which is a quad-core processor that comes with 2 GHz base clock. The SoC has 2.17 GHz maximum burst frequency, which pumps up its frequency to complete tasks faster suitable for industrial computing.

Specifications

Size	12.1"
Resolution	1024x768 (4:3)
Brightness (cd/m²)	500
Contrast Ratio	700:1
LCD Color	262k
Pixel Pitch (mm)	0.240 (H) x 0.240 (V)
Viewing Angle (V/H)	160°/160°
Backlight MTBF (hrs)	50000 hrs (LED backlight)
Touch Screen	5-wire resistive type with RS-232 interface/ projected capacitive type with USB interface
Touch Controller	PenMount DMC9000/ EETI EXC7200
CPU	Intel® Celeron® J1900 quad core 2 GHz
RAM	One 204-pin 1333MHz single-channel DDR3L SDRAM DIMM pre-installed with 2GB (max capacity 8G)
Ethernet	2 x PCIe GbE by RTL8111E controller
Audio Codec	ALC892
Storage	mSATA 2.5″ SATA 3Gb/s HDD bay
Input/Output	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port (DB9 connector) (RI/5V/12V) 2 x USB 2.0 2 x USB 3.0 2 x GbE LAN 1 x Power Switch 1 x Reset Button 1 x AT/ATX switch 1 x Audio Port (line-out) 1 x 9-30V Lockable Power Jack
Audio	AMP 3W + 3W (internal speaker)
Camera	2M pixels with low light function

RFID Reader	Mifare 13.56 MHz card reader (optional)
Card Reader	Magnetic Stripe Card Reader (optional)
OSD Function	Software OSD
Thermal Solution	Fanless
Wireless	IEEE 802.11b/g/n 2T2R module (WIFI-RT5392-SB-R10)
Construction Front Panel	PC + ABS Plastic
Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm
Color	Black C
Dimensions (WxHxD) (mm)	308 x 248 x 44.5
Cut out (WxH) (mm)	243 x 204
Operating Temperature (°C) (Ambient with air flow)	minus 20°C~50°C
Storage Temperature (°C)	minus 20°C~60°C
Humidity	10% to 95% (non-condensing)
IP Level	IP 65 compliant front panel
Safety&EMC	CE / FCC
Power Requirement	9 ~ 30 VDC

Dimensions (Unit: mm)