

PPC-1581 WXGA 15.6" TFT LED LCD Touch

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PPC-1581 Panel Front View <https://www.emacinc.com/sites/default/files/PPC-1581%20Panel%20Front-web-opt.png>

PPC-1581 IO View <https://www.emacinc.com/sites/default/files/PPC-1581%20IO-web-opt.png>

Industrial 15.6 HD TFT LCD with 50K Lifetime LED Backlight

Intel 4th Generation Core i3-4010U 1.7GHz

4GB DDR3L 1600MHz SO-DIMM SDRAM

1x RS-232/422/485, 1x RS-232

2x USB 3.0 Ports

1x HDMI 1.4

2x 0/100/1000 Base-T

2.5 Inch SATA SSD Slot, 1x CFast Slot, 1x mSATA (via Mini PCIe slot, can't be used simultaneously with iDoor)

LCD Display Type: WXGA TFT LED LCD

Display Size: 15.6

Max. Resolution: 1366 x 768

Max. Colors: 16.7M

Luminance: 300 cd/m2

Viewing Angle: (H/V°) 170/160

Backlight Life: 50,000 hrs

Contrast Ratio: 500:1

Touch Screen Light Transmission: ?88%

Resolution: 2048 x 2048 dot

Type: Projected capacitive

1x Audio Line out, 1x USB 2.0 (optional) 1x Audio MIC (optional)

1x Full-size Mini PCI-E

AMI UEFI

Watchdog Timer 1 ~ 255 sec (system)

Power Consumption 18W Typical, 60W Max. (Without Add-on card)

Power Input 24VDC +/- 20%

Operating Temperature: 0 ~ 55°C (32 ~ 131°F)

Storage Temperature: -20 ~ 60°C (-4 ~ 140°F)

Vibration Protection With HDD: 1 Grms (5 ~ 500 Hz) Operating, random vibration)

Humidity: 10 ~ 95% RH @ 40°C, non-condensing

Ingress Protection Front panel: IP66

Weight (Net) 6 kg (13.22 lbs)

Dimensions (W x H x D) 419.7 x 269 x 56.7 mm (16.52" x 10.59" 2.23")

With growing up in Multi-Touch technology, the PPC-1581 features Intel 4th Generation Core i3-4010U 1.7GHz processor with 4GB DDR3L SDRAM provides the high computing performance. To enhance reliability and durability, built-in 7H hardness anti-scratch surface on high resolution 15.6" HD display with Multi-Touch in 16:9 format. Through the Mini-PCIe slot, The Manufacturer's iDoor technology can provide more I/O connectors, Isolated Digital IO, the Fieldbus Protocol, 3G/GPS/GPRS/WiFi Communication and MRAM. A 2nd monitor and speaker can be attached via the integrated HDMI and Audio port.

Specifications

Panel PC type.

Enclosed DDC

Processor

Processor.

Intel 4th Generation Core i3-4010U 1.7GHz

Clock Speed:

1.7 GHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI uEFI

Primary Flash:

CFAST or mSATA

Secondary Flash:

1x 2.5 inch SATA HDD/SSD or DOM

Primary I/O

Video Out.

1x HDMI 1.4

Audio:

1x Audio Line out

1x USB 2.0 (optional) 1x Audio MIC (optional)

Ethernet:

2x 0/100/1000 Base-T

USB:

2x USB 3.0 Ports

Serial Ports:

1x RS-232/422/485

1x RS-232

Watchdog:

Secondary I/O

LPT Port:
Keypad:
PS/2:
Touch:
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Expansion
Bus:
1x Full-size Mini PCI-E

Analog
A/D:
D/A:

Dimensions
Dimensions:
 $16.52 \times 10.59 \times 2.23$ in
Weight:
13.22 lb
Dimensions Misc.:
Dimensions (W x H x D): 419.7 x 269 x 56.7 mm (16.52" x 10.59" 2.23")

Power Requirements
Voltage:
24 V
Constant Busy Loop Current:
2.5 A
Typical Current:
750 mA
Typical Voltage:
24 V
Power Misc.:
Power Consumption 18W Typical, 60W Max. (Without Add-on card)

Power Input 24VDC +/- 20%

Environmental
Low Operating Temperature:
0 C
High Operating Temperature:
55 C
Upper Operating Humidity:
95%
Environmental Misc.:
Storage Temperature: -20 ~ 60°C (-4 ~ 140°F)

Vibration Protection With HDD: 1 Grms (5 ~ 500 Hz) Operating, random vibration)

Humidity: 10 ~ 95% RH @ 40°C, non-condensing

Ingress Protection Front panel: IP66

Pricing
Product variations:

PPC-1581WP-433AE

COMPUTER SYSTEM 15.6" Widescreen PCT with Core i3 CPU and 4G RAM

\$2,245.00

Order:

0

Parent Product:

Disk Interface:

2.5 Inch SATA SSD Slot

1x CFast Slot

1x mSATA (via Mini PCIe slot

can't be used simultaneously with iDoor)

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