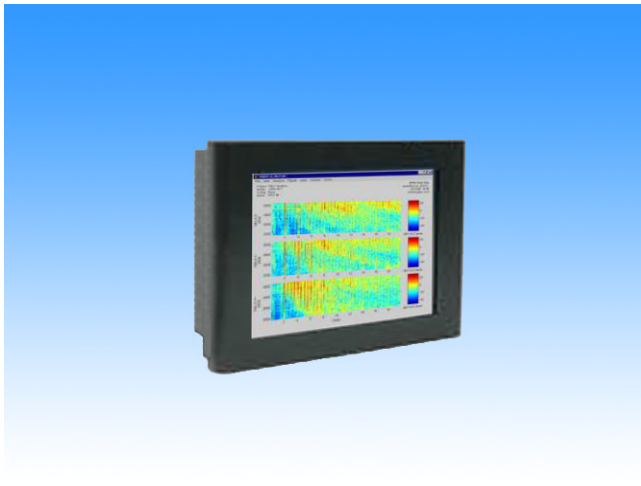# PPC-10

10.4" Touch Screen Panel PC with Celeron M/Core2 Duo, up to XGA Graphics,1GB memory and 160GB SATA HDD

Features

- 10.4" VGA (640x480), SVGA (800x600) or XGA (1024x768) TFT display
- Low-power Celeron M or high-speed Core2 Duo processor
- Durable, High Resolution Resistive Touchscreen
- I/O ports include 3xUSB, Ethernet, Printer, AC'97 Audio, 1xRS232/422/485, 1xRS232, VGA, PS/2 keyboard & mouse
- 160GB SATA HDD and 1GB memory as standard
- Fan cooled enclosure for increased reliability
- Mains Input 100-240V AC (optional DC 12V, 24V or 48V)
- Expansion via 1xmini-PCI socket (serial ports,modem,video capture,wifi etc.)
- Rugged construction and IP65 sealed for harsh industrial environments
- Can be customised to suit specific applications (colurs, logos etc.)

CE

Description

The PPC-10 is a 10.4" Panel PC with Touch Screen. The rugged construction, modern styling and technical features make it ideal for both commercial and industrial use. Typical applications include Instrument Operator Panels, Machine Control, Factory Automation, POS & POI terminals, Kiosks and Control & Monitoring Systems.
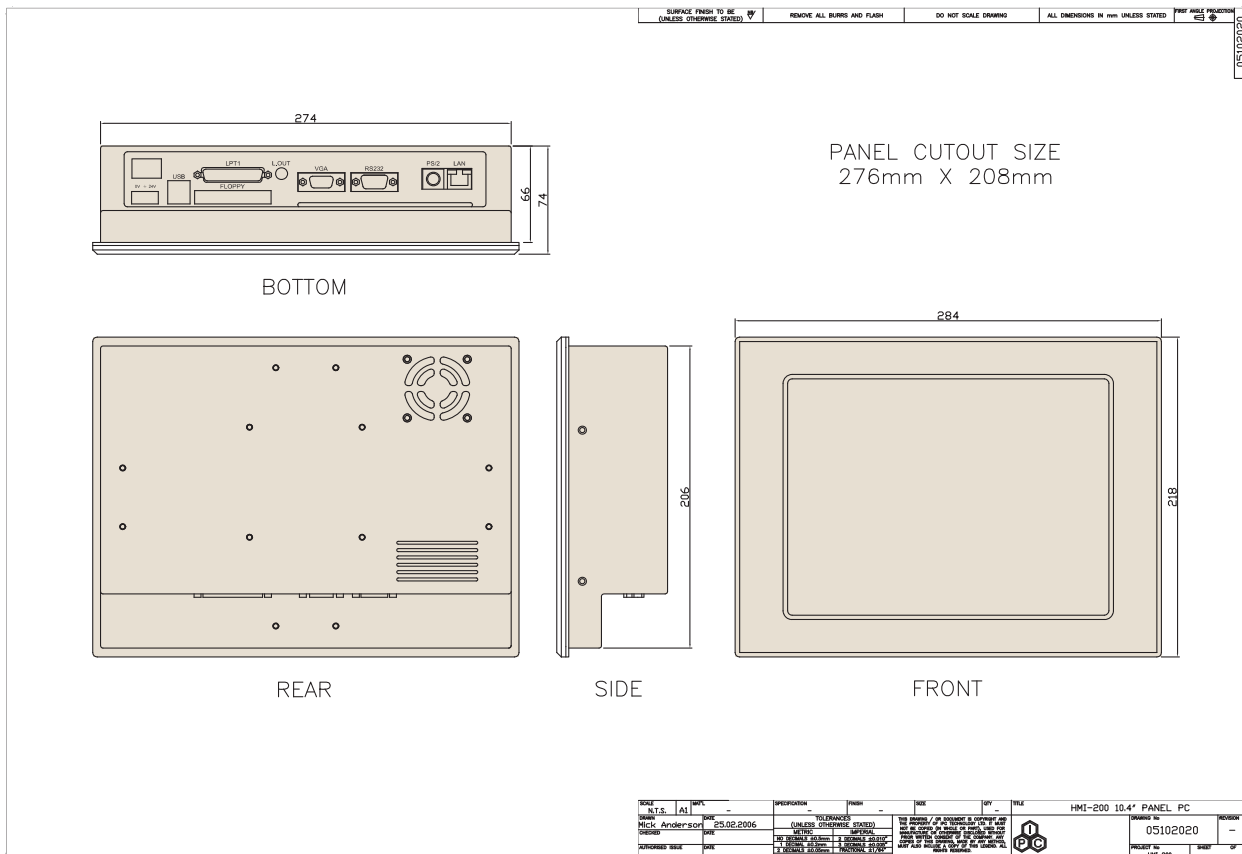
The PPC-10 supports processors from Low Power Celeron M to high-speed Core2 Duo with up to 2GB of on-board memory. It has a 10.4" high brightness TFT display with options for VGA (640x480), SVGA (800x600) or XGA (1024x768) resolution and up to 16.7M colours. A 160GB 2.5" hard drive and 1GB memory are fitted as standard and both can be easily expanded. The touch screen is a high resolution 8-wire resistive type with a durability of more than 30 million operations. The unit is supplied with an autoswitching 110/240V AC power input as standard with options for 12V, 24V and 48V DC operation. The PPC-10 has a comprehensive range of I/O ports and has a single mini-PCI card slot for expansion cards such as modems, GPS, video capture, wifi etc. Support is provided for a wide range of operating systems including DOS, Win98/NT4/2000/XP/Vista/Windows 7, Embedded XP, Linux and QNX.

The PPC-10 is constructed from anti-corrosive steel with an aluminium front bezel sealed to IP65 and finished in Black as standard. The unit has a 75mm VESA standard mount and can be panel, wall, desktop or swing arm mounted. Since it is manufactured by IPC in the UK it can be easily customised (colour, logos, mounting, Flash Disks etc.) to suit most applications.

Specifications

Single Board Computer		Drives	
Processor Card	LS-371E	Floppy Drive	None
CPU	Celeron M or Core2 Duo 1.6 - 2.0GHz	CD/DVD	None
Memory	1GB Standard (2GB Max.)	Hard Drive	160GB 2.5" Drive Installed
Graphics	Integrated Intel GMA950 Graphics	Miscellaneous	Compact Flash or DOM(DiskOnModule)
Network	1x10/100/1000 Base-T Ethernet	**Power**	
Audio	High Defintion Audio, AC'97 compatible	Consumption	Typical 40W
Miscellaneous	On-board Watchdog Timer	Mains Input Voltage	81 -264 VAC autoswitching 50/60Hz
I/O Ports		Optional DC Input	12V, 24V or 48V
	3xUSB, LAN, VGA, COM1,COM2,Printer, Audio AC'97, PS/2 keyb& mouse	**Expansion Slots** (Mini-PCI, PCI, PCIe,ISA, PC/104, Compact Flash etc.)	1xMini-PCI socket
Display		**Mounting Options**	
Size	10.4"		
Resolution	VGA (640x480),SVGA (800x600) or XGA(1024x768)		Panel Mounting (4 x Panel Mounting Brackets) and 75mm VESA Mount
Viewing Angle	170 degrees (horiz. & vert.)		
Contrast Ratio	500:1	**Operating Conditions**	
Luminance	400 cd/sq.m	Temperature	0 to 50° (operating) -20 to 70° (non-operating)
Colours	262K - 16.7M	Humidity	10 - 90% (non-condensing)
Touchscreen		Shock	10G (operating) 30G (non-operating)
Type	8-wire resistive	**MTBF**	
Resolution	1024 x 1024		>50,000 hrs
Transmissivity	80%	**Physical Characteristics**	
Durability	>30 million operations	Overall Dimensions (W x H x D)	284 x 218 x 74 mm
Interface	RS232 or USB	Panel Cut Out (W x H)	276 x 208 mm
Software Support	Drivers for DOS/Win 98SE/2000/XP/VISTA etc.	Weight (kg)	3.5kg

Dimensions

PANEL CUTOUT SIZE
276mm X 208mm

274

66
74

BOTTOM

284

206

218

REAR   SIDE   FRONT

HMI-200 10.4" PANEL PC

SCALE N.T.S. A1
DRAWN Mick Anderson DATE 25.02.2006
05102020

Ordering Information

Each PPC-10 is configured to meet the customers specifications. The part numbering system and an example configuration are shown below:

PPC-10-32100-21137
(example)

10.4" XGA(1024x768) Panel PC, AC Mains Input, USB touchscreen, Black finish, Panel mounting, Core2 Duo T7200 2.0GHz, 1GB memory, 160GB HDD and XP pro.

PPC-10-XXXXX-XXXXX

Power Input
12V DC - 1
24V DC - 2
110/240 AC Mains - 3

Touchscreen
No Touchscreen - 0
RS232 Resistive Touchscreen - 1
USB Resistive Touchscreen - 2

Finish
RAL7032 - 0
Black - 1
RAL7035 - 2
Stainless Steel - 3

Mounting
Panel Mounting - 0
19" Rack Mounting - 1

Expansion
None - 0

Display
1 - VGA(640x480)
2 - SVGA(800x600)
3 - XGA(1024x768)

Hard Drive
1 - 160GB
2 - 320GB
3 - 500GB

Memory
1 - 1GB
2 - 2GB

Processor
1 - Celeron M 430 1.7GHz
2 - Core2 Duo T7200 2.0GHz

Operating System
1 - DOS
2 - Linux
3 - Win98SE
4 - WinNT4
5 - Win2000
6 - WinXP Home
7 - WinXP Pro
8 - Vista Home Premium
9 - Vista Business
A - Vista Ultimate
B - Windows 7 Home Premium
C - Windows 7 Professional
D - Windows 7 Ultimate