PV-8121X

X86 CPU Core Touch Panel Computer with 12.1" SVGA TFT Display



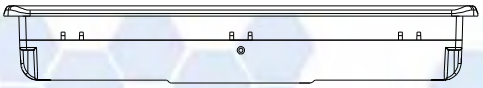
【Introduction】

PV-8000 series is the HMI range of NemaVision-iPC. With the design concept meeting customers' satisfaction while easy-to-Use attribute as before, a PV-8000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. Through the most popular Ethernet connection, data can be shared among PV-8000s without limitation and any SCADA/HMI software on the PC can simply access data from PV-8000s. PV-8000 series is the best choice for your requirement tomorrow.

PV-8121X Version 2 supports MPI 187.5K

Hardware Specification	
Display	12.1" TFT
Brightness	400 cd/m ^{2}
Color	65,536 colors
Contrast Ratio	500:1
Resolution (WxH dots)	800 x 600
Back light	CCFLx2
CCFL life time	50,000 hr. min.
Touch panel	4 wires resistive type
Touch Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Surface Hardness	4H
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232), COM3(RS-232/RS-485 2W),1 Ethernet port (10/100 Base -T)
Video Input Port	NTSC/PAL RCA x 2 (Optional) V2 Only
USB Host	2 USB 2.0 Full Speed Host Port
Audio	Audio Line Out x 1, MIC In x 1
Processor	x86 500MHz processor
Storage	256MB D.O.M
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD
RTC	Built-in (CR2032 3V lithium battery.)
General Specification	
Input Power	24±10% VDC (21.6~26.4VDC) (Power Isolator Inside.)
Power Consumption	1.25 A@24VDC
CE/FCC	Complies with EN 55022: 1998+A1: 2000+A2: 2003 Clas sA, EN 55024: 1998+A1: 2001+A2: 2003
Voltage resistance	500VAC (1 min.)
Isolation resistance	Exceed 50MΩ at 500VDC
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2 G 30minutes)
Protection structure	IP65 front panel (O ring seal)
Storage temperature	-20° ~ 60°C (-4° ~ 140°F)
Operating Temperature	0°~50°C (32° ~ 122°F)
Operation humidity	10-90% RH (non –condensing)
Enclosure	Plastic
Dimensions WxHxD	322 x 243 x 51mm
Panel cutout dimension	305 x 231 mm
Weight	Approx. 2.1 kg
Operating System	
Operating System	EB8000 V4.1.0 or Newer

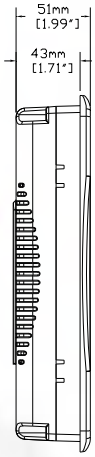
Dimensions of PV-8121X



Top View



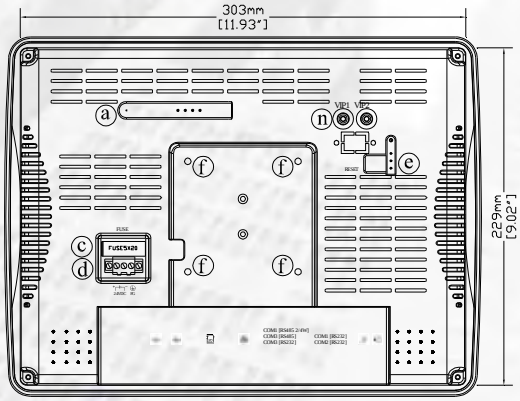
Front View



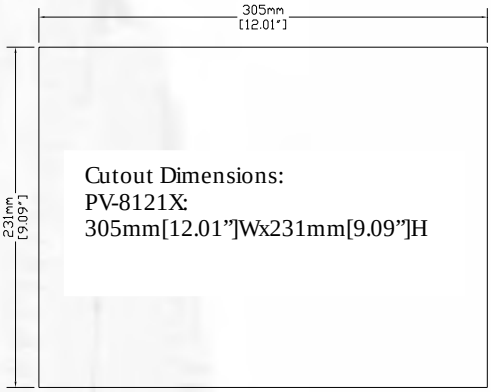
Side View

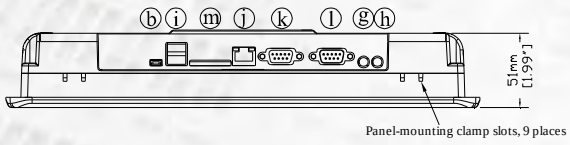
Ordering Information

- **PV-8121X:** 12.1" TFT LCD HMI, 256MB flash memory/256MB RAM on board.
- **PV-8121X-VI:** Optional Video Input Port RCA x 2. V2 Only



Rear View





Bottom View

a	IDE interface (DOM slot)	i	USB Host port x 2
b	Mini USB	j	Ethernet port 10/100 Base-T
c	Fuse	k	Com1 RS485,Com3 RS485, Com3 RS232
d	Power connector	l	Com1 RS232, Com2 RS232
e	Reset button	m	SD CARD SLOT
f	VESA 75mm screw holes	n	Video Input Port x 2 (Optional) V2 Only
g	Mic In		
h	Line Out		

Contact: NemaVision-iPC. TEL: +44-(0)1253-370030 Web:www.nemavision-ipc.com