

VP-23W1/VP-25W1/VP-4131

3.5"/5.7"/10.4" Standard ViewPAC with
PXA270 CPU, WinCE 5.0 and 3 I/O Slots

Features

- 3.5", 5.7" and 10.4 TFT LCD with Touch Panel
- PXA270 or compatible, 32-bit, 520 MHz
- Windows CE 5.0
- Hard Real-Time Capability
- 64-bit Hardware Serial Number
- Support eLogger HMI (free)
- 3 x I/O Expansion Slots
- IP65 Compliant Front Panel
- Operating Temperature: -20 ~ +70 °C

Introduction

VP-23W1-EN combines WinPAC, graphic display and keypad in one unit. It equips a PXA270 CPU (520MHz) running Windows CE.NET 5.0 operating system, various Communications (USB, Ethernet, RS-232/485), 3 slots to expand I/O modules, 3.5" TFT LCD and a rubber keypad.

Its operating system, Windows CE.NET 5.0, has many advantages, includes hard real-time capability, small core size, fast boot speed, interrupt handling at a deeper level, achievable deterministic control and low cost. Running Windows CE.NET 5.0 in the ViewPAC gives it the ability to run PC-based control software such as Visual Basic.NET, Visual C#, Embedded Visual C++, SCADA software, Soft PLC etc.

Compared to traditional IPC + PLC solutions, ViewPAC reduces overall system cost, space and gives you all the best features of IPC and PLC.

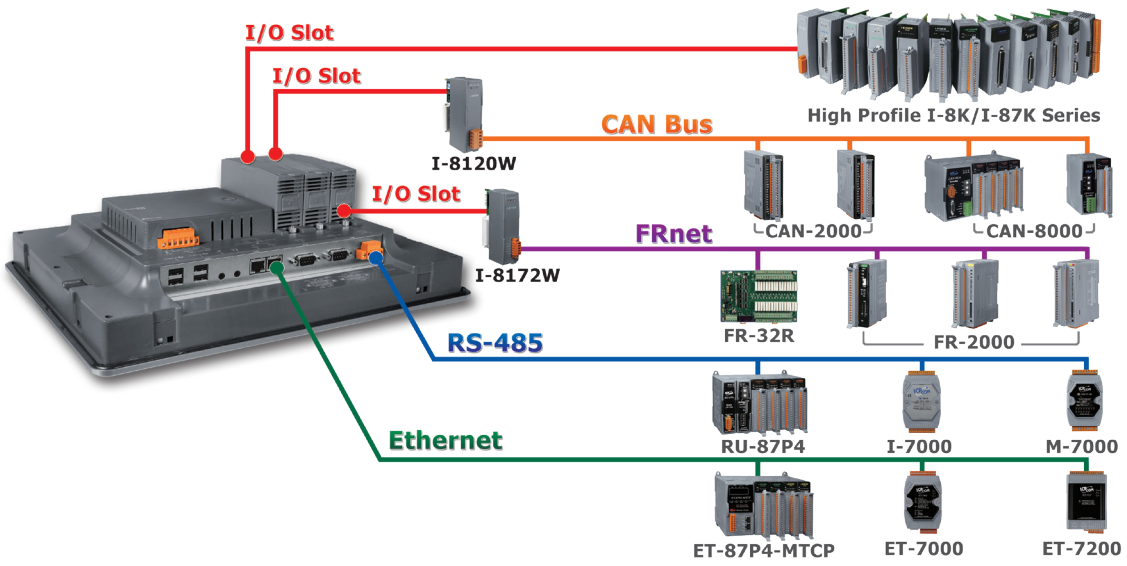
Windows CE 5.0

Microsoft Windows CE.net

Windows CE5 is a compact and real-time OS used to quickly create time critical and high performance applications. Using Windows CE 5 gives an ability to run PC-based control software such as Visual Basic .NET, Virtual C#, SCADA software, SoftPLC… etc.

- FTP Server
- Web Server
- SQL Compact Edition 3.5
- .NET Compact Framework 3.5
- Virtual CE Pro (VCEP)

Applications



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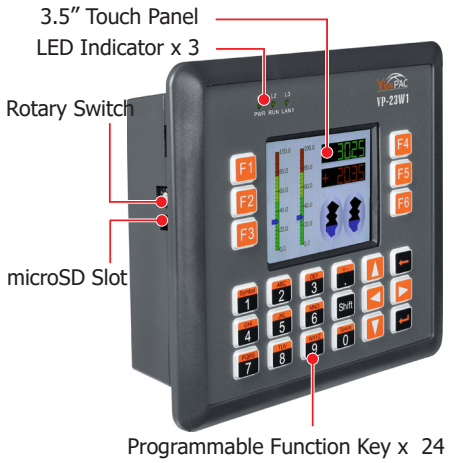
Specifications

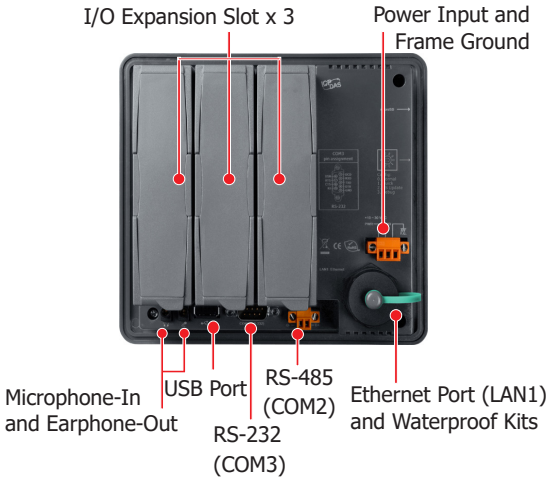
Models	VP-23W1	VP-25W1	VP-4131
Display			
Size	3.5" (4:3)	5.7" (4:3)	10.4" (4:3)
Resolution	320 x 240	640 x 480	800 x 600
Brightness	220 cd/m2	400 cd/m2	
Backlight Life	20,000 hours		50,000 hours
Touch Panel	4-wire, resistive type; light transmission: 80 %		5-wire, resistive type; light transmission: 80 %
System Software			
OS	Windows CE .NET 5.0		
Framework Support	.Net Compact Framework 2.0		
Service	FTP Server, Web Server (supports VB script, JAVA script), Embedded SQL Server		
SDK	Dll for eVC, Dll for Visual Studio.Net 2003/2005/2008		
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese		
CPU Module			
CPU	PXA270 or compatible, 32-bit, 520 MHz		
SDRAM	128 MB		
Dual battery backup SRAM	512 KB		
Flash	96 MB		128 MB
EEPROM	16 KB		
Storage	4 GB microSD card (up to 32 GB)	A SD/microSD adapter and 4 GB microSD card (up to 32 GB)	
RTC (Real Time Clock)	Provide seconds, minutes, hours, day of week/month, month and year		
64-bit Hardware Serial Number	Yes		
Watchdog Timer	Dual Watchdog Timer		
Rotary Switch	1 x 10 Position (0 ~ 9)		
LED Indicator	1 x System, 1 x Power, 1 x Ethernet, 3 x Programmable		1 x System, 1 x Power
Audio	Microphone-In and Earphone-Out		Earphone-Out
Buzzer	Yes		
Rubber Keypad	24 Keys	6 Keys	-
Communication Interface			
Ethernet	1 x RJ-45, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)		
USB 1.1 (host)	1		2
USB 1.1 (client)	-		1
COM0	Internal communication with I-87K modules in slots		
COM2	RS-485 (D2+, D2-); self-tuner ASIC inside; 2500 VDC Isolated		
COM3	RS-232 (RxD, TxD, CTS, RTS, DSR, DTR, CD, RI, GND); Non-isolated		
I/O Expansion			
I/O Type	I-8K, I-87K series		
Slots	3		
Mechanical			
Dimensions (W x L x H)	182 mm x 158 mm x 125 mm	182 mm x 158 mm x 125 mm	293 mm x 231 mm x 129 mm
Weight	1.5 kg	1.6 kg	3.6 kg
Installation	Panel Mounting		
Ingress Protection	Front panel: NEMA 4/IP65		
Environmental			
Operating Temperature	-20 °C ~ +70 °C		
Storage Temperature	-30 °C ~ +80 °C		
Humidity	5 ~ 90 % RH, Non-condensing		
Power			
Input Range	+10 ~ 30 VDC (1 kV Isolated)		
Redundant Power Inputs	-	Yes	
Consumption	7.2 W		8.5 W

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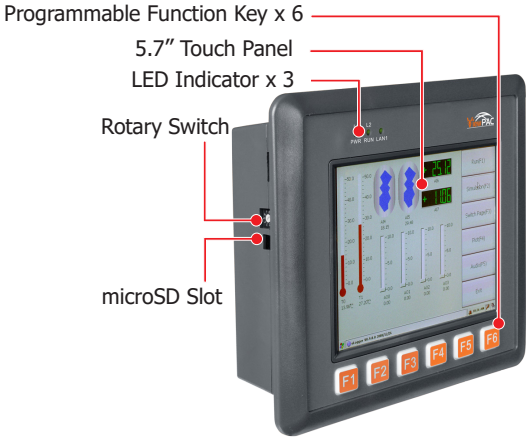
Appearance

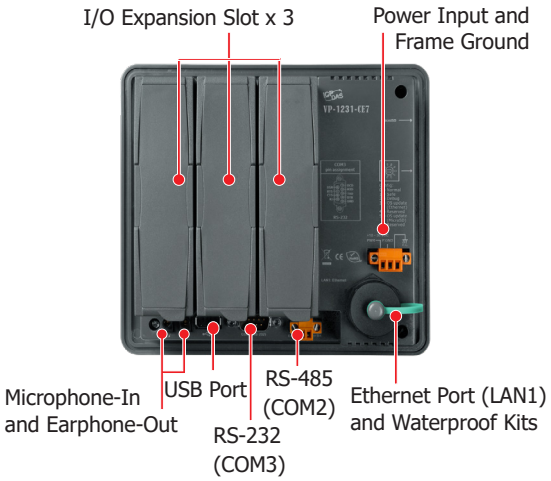
VP-23W1



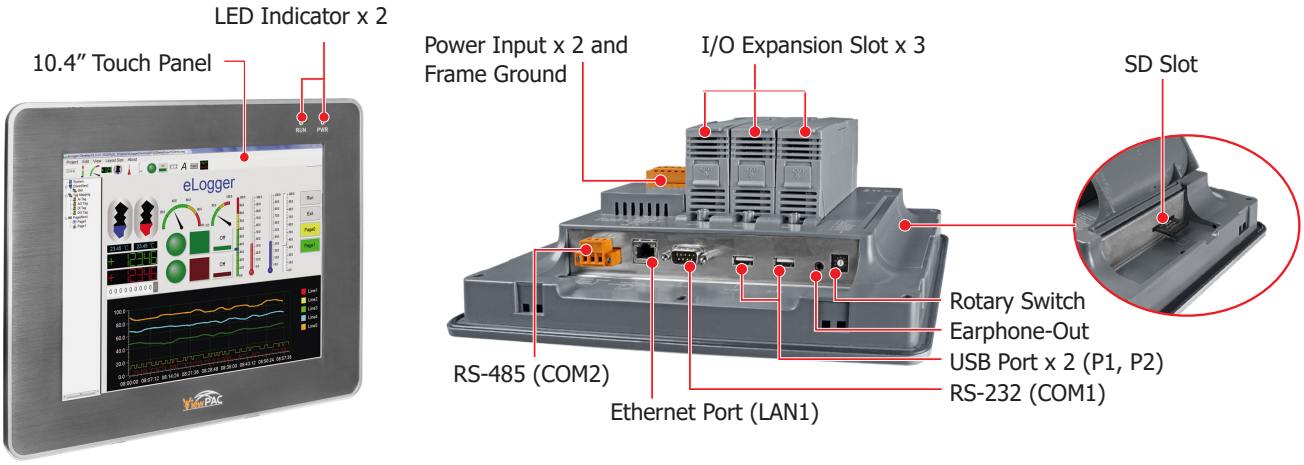


VP-25W1





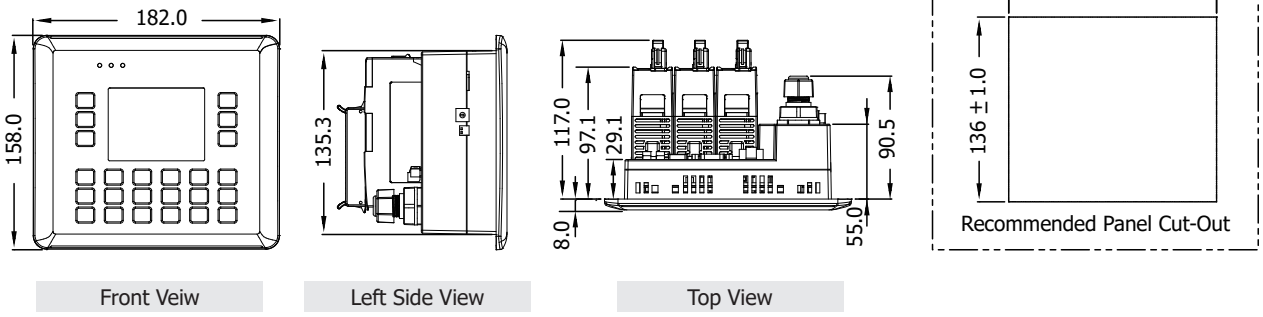
VP-4131



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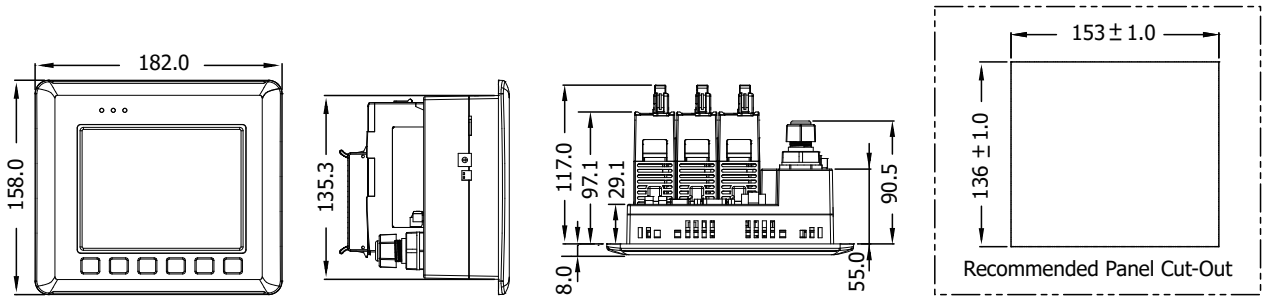
Dimensions (Units: mm)

VP-23W1



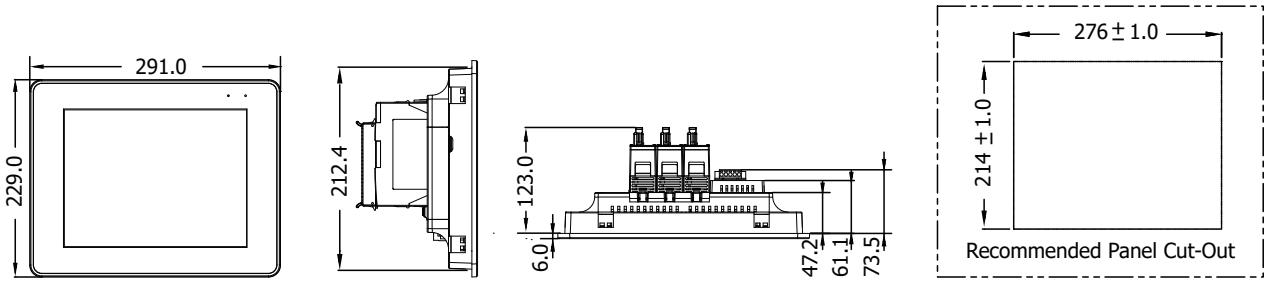
Front Veiw | Left Side View | Top View

VP-25W1



Front Veiw | Left Side View | Top View

VP-4131



Front Veiw | Left Side View | Top View

Ordering Information

VP-23W1-EN CR	3.5" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Multilanguage Version)
VP-25W1-EN CR	5.7" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Multilanguage Version)
VP-4131-EN CR	10.4" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Multilanguage Version)
VP-23W1-TC CR	3.5" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Traditional Chinese Version)
VP-25W1-TC CR	5.7" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Traditional Chinese Version)
VP-4131-TC CR	10.4" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Traditional Chinese Version)
VP-23W1-SC CR	3.5" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Simplified Chinese Version)
VP-25W1-SC CR	5.7" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Simplified Chinese Version)
VP-4131-SC CR	10.4" Standard ViewPAC with PXA270 CPU, WinCE 5.0 and 3 I/O Slots (RoHS) (Simplified Chinese Version)

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