

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

Standard ViewPAC (Window CE.NET 5.0 Inside)

~ NEW ~



Model: VP-23W1

~ NEW ~



Model: VP-25W1

~ NEW ~



Model: VP-4131

Introduction

ViewPAC 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"/5.7"/10.4" 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 Ketc.

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

Software Features

- Windows CE.NET 5.0 Inside
- Easy Remote Maintenance Via Ethernet
 - FTP Server
 - VCEP software
- Built-in OPC Server: NAPOPC_CE5
 - An OPC Server for SCADA Software
 - Integrates Local/Remote I/O Modules Via RS-232/485 or Ethernet
 - Provides Library for eVC, C# or VB.NET
 - Supports Modbus and DCON Protocols
- Development Software
 - Visual Studio.NET 2005/2008 and eVC
- SDK/Demo Programs for C#, VB.NET & eVC

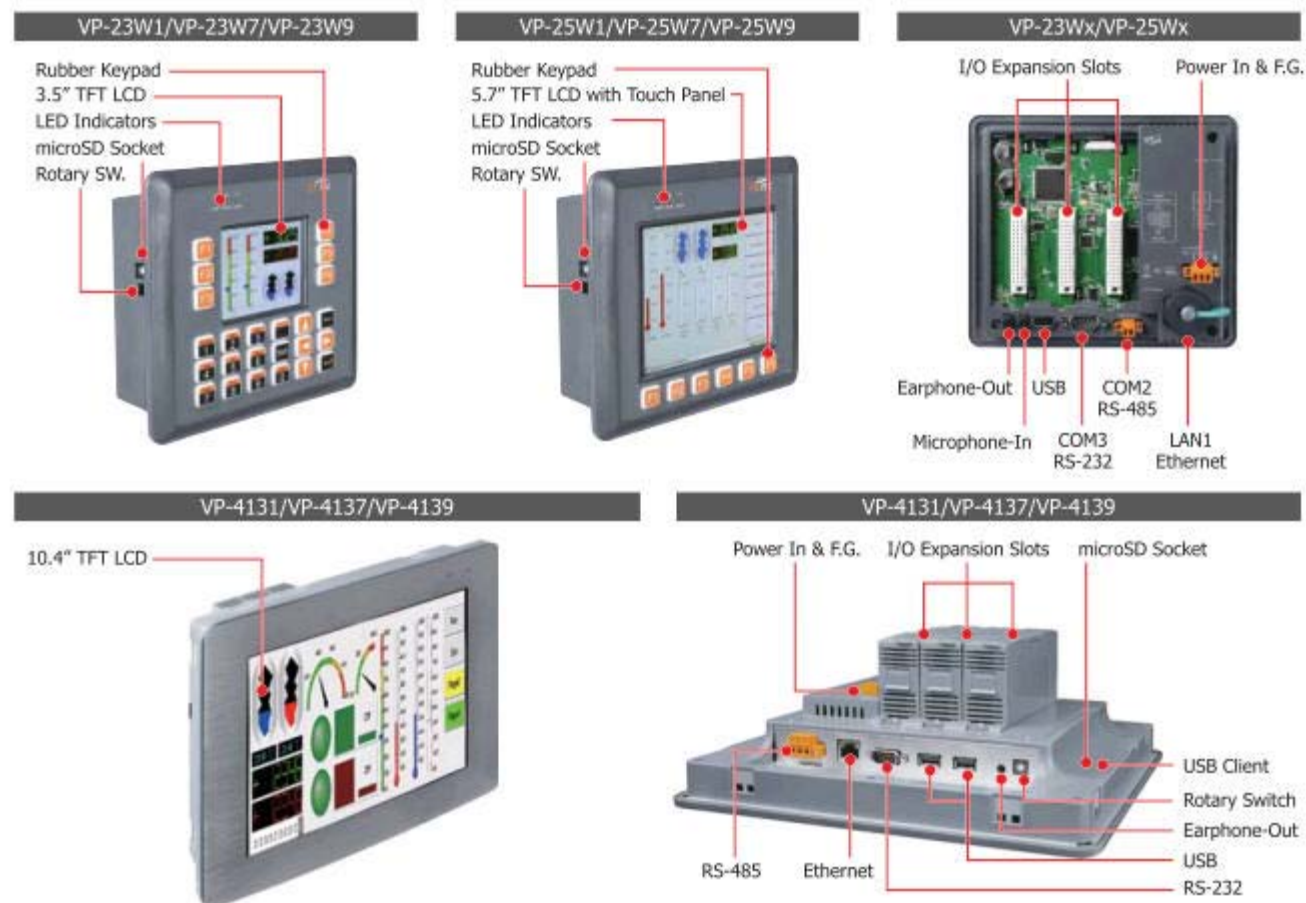
Hardware Features

- PXA 270 CPU (32-bit & 520 MHz)
- IP65 Compliant Front Panel
- 3.5"/5.7"/10.4" TFT LCD (5.7/10.4 LCDs are with Touch Panel)
- Rubber Keypad with 24/6 Keys
- Audio with MIC-In and Line-Out
- 64-bit Hardware Serial Number for Software Protection
- 3 Slots for High Profile I/O Modules
- Rich I/O Expansion Ability
 - Ethernet
 - RS-232/422/485
 - FRnet
 - CAN bus
- Dual Battery Backup SRAM (512 KB)
- One Ethernet Port
- 2 Serial Ports (RS-232, RS-485)
- Operating Temperature: -20 ~ +70 °C

Applications

Environment monitoring, factory automation, building management system, industrial machine control, etc.

Appearance



Specifications

Models	VP-23W1	VP-25W1	VP-4131
System Software			
OS	Windows CE.NET 5.0		
.Net Compact Framework	3.5		
Embedded Service	FTP server, Web server (supports VB script, JAVA script), Embedded SQL server		
SDK Provided	DII for eVC, DII for Visual Studio.Net 2005/2008		
CPU Module			
CPU	PXA270 or compatible (32-bit and 520 MHz)		
SDRAM	128 MB		
Dual Battery Backup SRAM	512 KB (for 5 years data retain)		
Flash	96 MB		128 MB
EEPROM	16 KB		
Expansion Flash Memory	microSD socket with one 4 GB microSDHC card (support up to 32 GB microSDHC card)		
RTC (Real Time Clock)	Provide seconds, minutes, hours, day of week/month, month and year, valid from 1980 to 2079		
64-bit Hardware Serial Number	Yes		
Dual Watchdog Timer	Yes		
Rotary Switch	Yes (0 ~ 9)		
Communication Interface			
Ethernet Port	RJ-45 x 1, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)		
USB 1.1 (host)	1		2
USB 1.1 (client)	-		1
COM 0	Internal communication with I-87K modules in slots		
COM 2	RS-485 (D2+, D2-); self-tuner ASIC inside; 2500 VDC Isolated.		
COM 3	RS-232 (Rx/D, Tx/D, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolated		
MMI (Man Machine Interface)			
LCD	3.5" TFT (Resolution 320 x 240)	5.7" TFT (Resolution 640 x 480)	10.4" TFT (Resolution 800 x 600)
Touch Panel	-	Yes	

Rubber Keypad	24 Keys	6 Keys	-
Audio	Microphone-In and Earphone-Out		Earphone-Out
LED Indicators	3 Dual-Color LEDs (PWR, RUN, LAN1, L1, L2, L3; L1~L3 For User Programmable)		2 Dual-Color LEDs (PWR, RUN)
I/O Expansion Slots			
Slot Number	3 (For High Profile I-8K and I-87K Modules Only)		
Mechanical			
Dimensions (W x L x H)	182 mm x 158 mm x 125 mm		293 mm x 231 mm x 129 mm
Ingress Protection	Front panel: IP65		
Environmental			
Operating Temperature	-20 °C ~ +70 °C		
Storage Temperature	-30 °C ~ +80 °C		
Ambient Relative Humidity	10% ~ 90% RH, non-condensing		
Power			
Input Range	+10 VDC ~ +30 VDC		
Isolation	1 kV		
Capacity	2.5 A, 5 V supply to I/O expansion slots		
Consumption	7.2 W (0.3 A @ 24 VDC)		8.5 W

Ordering Information

VP-23W1-EN CR	Standard ViewPAC with 3.5 LCD (English Version of OS) (RoHS)
VP-25W1-EN CR	Standard ViewPAC with 5.7 LCD (English Version of OS) (RoHS)
VP-4131-EN CR	Standard ViewPAC with 10.4" LCD and 3 I/O slots (Multilanguage Version of OS) (RoHS)

Accessories

DP-660	24 VDC/2.5 A, 60 W and 5 VDC/0.5 A, 2.5 W Power Supply with DIN-Rail Mounting
MDR-20-24	24 VDC/1.0 A, 24 W Power Supply with DIN-Rail Mounting
MDR-60-24	24 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting
USB-2560 CR	4-Port Industrial USB 2.0 Hub (RoHS)
NS-208 CR	8-Port Unmanaged Industrial 10/100 Base-TX Ethernet Switch (RoHS)