



**VP-23W9**

**VP-25W9**

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InduSoft Based ViewPAC  
(Windows CE.NET 5.0 Inside)

## Introduction

ViewPAC-23W9/ViewPAC-25W9 is the new generation WinCE based InduSoft PAC of ICP DAS. ViewPAC combines WinPAC, graphic display and keypad in one unit. It equips a PXA270 CPU (520MHz) running Windows CE.NET 5.0 operating system, variant connectivities (USB, Ethernet, RS-232/485), 3 slots to expand I/O modules, 3.5"/5.7" 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. InduSoft Web Studio Runtime is also pre-installed. InduSoft Web Studio is a powerful, integrated collection of automation tools that includes all the building blocks needed to develop modern Human Machine Interfaces (HMI), Supervisory Control and Data Acquisition (SCADA) systems, and embedded instrumentation and control applications.

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: Quicker
  - 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 2003/2005/2008 and eVC
- SDK/Demo Programs for C#, VB.NET & eVC

## Hardware Features

- PXA 270 CPU (32-bit & 520 MHz)
- IP44 Compliant Front Panel
- 3.5"/5.7" TFT LCD (5.7" LCD is 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

## Specifications

Models	VP-23W9	VP-25W9
<b>System Software</b>		
OS	Windows CE.NET 5.0	
.Net Compact Framework	2.0	

Embedded Service	FTP server, Web server (supports VB script, JAVA script), Embedded SQL server	
SDK Provided	Dll for eVC, Dll for Visual Studio.Net 2003/2005/2008	
<b>Development Software</b>		
InduSoft Software	InduSoft Web Studio v6.1	
Non-InduSoft	Microsoft EVC++ 4.0 or VS.NET 2003/2005/2008 (VB.NET 2003/2005/2008, C#.NET 2003/2005/2008)	
<b>Web Service</b>		
Web HMI	Support Web HMI function, PC running Internet Explorer can access to the VP-2xW9 via Intranet, Internet, or dial modem.	
Security	Web HMI supports three levels user name and password protection	
<b>CPU Module</b>		
CPU	PXA270 or compatible (32-bit and 520 MHz)	
SRAM	128 MB	
Dual Battery Backup SRAM	512 KB (for 5 years data retain)	
Flash	96 MB (64 MB for OS image, 31 MB for built-in Flash disk, 1 MB for registry)	
EEPROM	16 KB Data Retention: 40 years; 1,000,000 erase/write cycles	
Expansion Flash Memory	microSD socket with one 1 GB microSD card (support up to 16 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)	
<b>Communication Interface</b>		
Ethernet	RJ-45 x 1, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)	
USB 1.1 (host)	1	
COM0	Internal communication with I-87K modules in slots	
COM2	RS-485 (D2+, D2-); self-tuner ASIC inside; 2500VDC Isolated. 2500 VDC	
COM3	RS-232 (RxD, TxD, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolated	
<b>MMI (Man Machine Interface)</b>		
LCD	3.5" TFT (Resolution 320 x 240)	5.7" TFT (Resolution 640 x 480)
Touch Panel	-	Yes
Rubber Keypad	24 Keys	6 Keys
Audio	Microphone-In and Earphone-Out	
LED Indicators	3 Dual-Color LEDs (PWR, RUN, LAN1, L1, L2, L3; L1~L3 For User Programmable)	
<b>I/O expansion slots</b>		
Slot Number	3 (For High Profile I-8K and I-87K Modules Only)	
Hot Swap * Will be available	For High Profile I-87K Modules Only	
<b>Mechanical</b>		
Dimensions (W x L x H)	182 mm x 158 mm x 125 mm	
Ingress Protection	Front panel: IP65	
<b>Environmental</b>		
Operating Temperature	-20 ~ +70°C	
Storage Temperature	-30 ~ +80°C	
Ambient Relative Humidity	5 ~ 90% RH, non-condensing	
<b>Power</b>		
Input Range	+10V ~ +30VDC	
Isolation	1KV	
Capacity	2.5A, 5V supply to I/O expansion slots	
Consumption	7.2 W (0.3 A @ 24 VDC)	

### Ordering information

<b>VP-23W9-EN CR</b>	InduSoft based ViewPAC with 3.5" LCD (English Version of OS) (RoHS)
<b>VP-25W9-EN CR</b>	InduSoft based ViewPAC with 5.7" LCD (English 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