



IWS-2201/4201-CE7 **IWS-6201-CE7**

VP-2201-CE7 series PAC with InduSoft inside

Features

- InduSoft Web Studio Runtime
- Support Modbus, OPC, TCP/IP Client/Server
- DCON Driver for ICP DAS I/O modules
- Makes connectivity for the "internet of things" and mobile devices easily.
- 7"/10.4"/15" LCD
- Resolution: 800 x 480 ~ 1024 x 768
- Resistive Touch Panel
- Cortex-A8, 1.0 GHz CPU
- Windows CE 7.0
- NEMA 4/IP65 Compliant Front Panel
- Operating Temperature: -10 ~ +60°C

Introduction

The **IWS PAC** series is the new generation WinCE 7.0 based InduSoft PAC of ICP DAS. It combines a RISC-based CPU board, TFT LCD touch screen to create a ruggedized, flat panel computer perfect for a variety of control and HMI applications. It provides a variety of connectives including Gigabit Ethernet, USB port, RS-232 and RS-485. The operating system is pre-installed in the on-board Flash memory. Remote I/O expansion is available using our Ethernet I/O modules, RS-485 I/O modules, Wi-Fi and ZigBee wireless I/O modules. Designed for panel mount installation, the front panel is NEMA 4/IP6 5 rated and can withstand sprayed water, humidity and extreme dust. Designed to operate over a wide -10°C ~ 60°C ambient temperature range, the fanless design offers the ultimate in reliability with no moving parts.

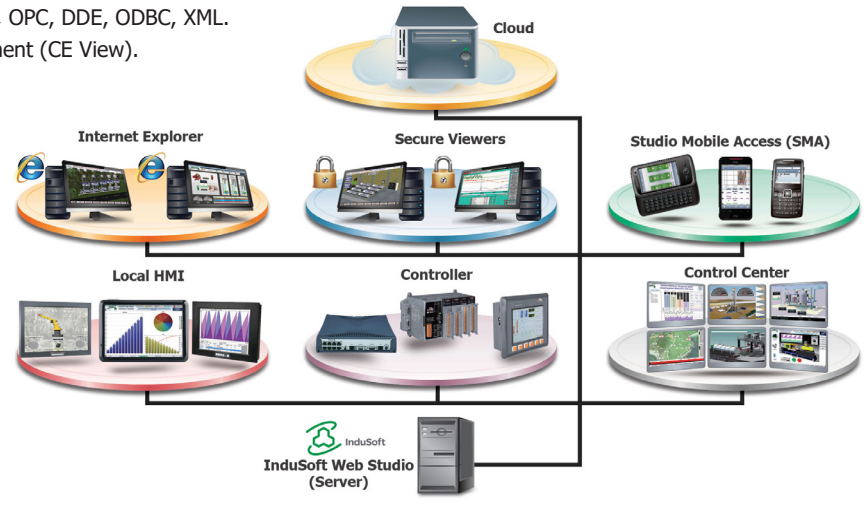
InduSoft Web Studio

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. InduSoft Web Studio supports all Windows runtime platforms, ranging from Windows CE, Windows XP, Windows XP Embedded, Vista, Windows 7 (32/64 bit), Windows 8 (32/64 bit), Windows 8.1 (32/64 bit), and Windows Server Editions, along with built-in support for local or remote (web) based visualization. InduSoft also conforms to industry standards such as Microsoft .NET, OPC, DDE, ODBC, XML, and ActiveX.

ICP DAS provides the InduSoft bundled driver to integrate InduSoft software and ICP DAS products (I-7000, I-8000, I-87K and CAN Series) for SCADA system. There are also OPC, DDE and ActiveX development toolkit provided to cooperate with InduSoft. Besides, the VxComm software of ICP DAS can be performed to link to Internet/Intranet modules in an easy way. And DCON Utility of ICP DAS can be used to configure network module for easy use and maintenance.

Features of InduSoft:

- Intuitive script language with more than 100 standard functions is provided.
- Conform to industry standards: Microsoft.NET, OPC, DDE, ODBC, XML.
- Full-Featured WinCE-based run-time environment (CE View).
- Dynamic library of symbols - customizable.
- ActiveX container (Windows NT/CE).
- Automatic e-mail (SMTP) and dial-up connection interface supported.
- Provide multi-level security for applications, including the Internet and Intranet.



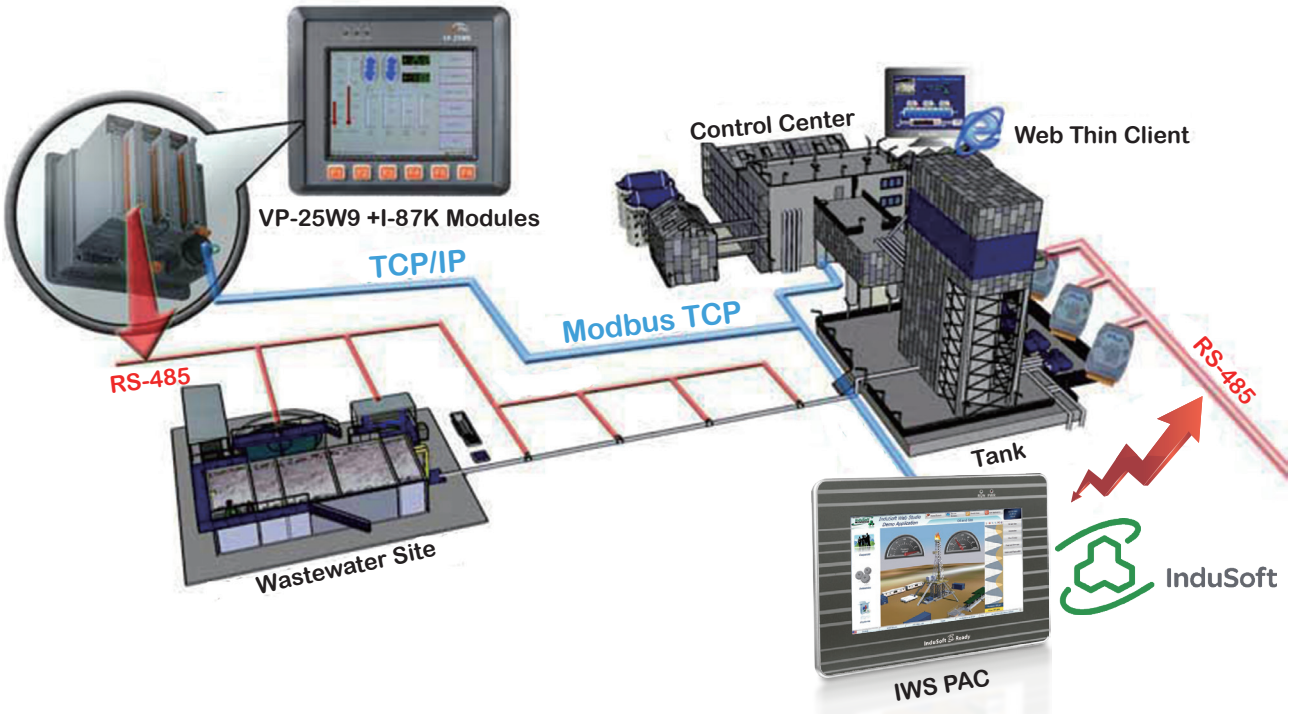
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Specifications

Model	IWS-2201-CE7	IWS-8421-CE7	IWS-8821-CE7
LCD Display			
Size	7” (16:9)	10.4” (4:3)	15” (4:3)
Resolution	800 x 480	800 x 600	1024 x 768
Brightness (cd/m2)	400		350
Contrast Ratio	500 : 1		
LED Backlight Life (hrs)	20,000	50,000	
Touch Panel	4-wire, resistive type; light transmission: 80%	5-wire, resistive type; light transmission: 80%	
LED Indicator	2 (PWR, Run)		
Development Software			
InduSoft	InduSoft Web Studio Runtime		
CPU Module			
CPU	Cortex-A8, 1.0 GHz		
SDRAM	256 MB		
MRAM	128 KB		
Flash	256 MB		
EEPROM	16 KB		
Memory Expansion	microSD socket with a 4GB Micro SDHC card (support up to 32 GB)	SD socket with a 4 GB SDHC card(support up to 32 GB)	
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year		
64-bit Hardware Serial Number	Yes, for software copy protection		
Dual Watchdog Timer	0.8 second		
LED Indicator	2 LED indicators for Power and Running		
Rotary Switch	Yes (0 ~ 9)		
Communication Interface			
Ethernet	RJ-45 x 1, 10/100/1000 Based-TX		
USB 2.0 (host)	2		
COM 1	RS-232/RS-485; 2500 VDC isolated	RS-232/RS-485 (DB9 connector); 2500 VDC isolated	
COM 2	RS-232/RS-485; 2500 VDC isolated		
COM 3	-	RS-485; 2500 VDC isolated	
Audio	Earphone-out		
Mechanical			
Dimension (W x L x H)	213 mm x 148 mm x 44 mm	291 mm x 229 mm x 54 mm	381 mm x 305 mm x 65 mm
Panel Cut-Out (W x H)	197 mm x 133 mm ± 1 mm	277 mm x 215 mm ± 1 mm	362 mm x 286 mm ± 1 mm
Installation	Panel Mounting, VESA (75 x 75) Mounting		
Ingress Protection	Front panel: NEMA 4/IP65		
Environmental			
Operating Temperature	-10 ~ +60°C		
Storage Temperature	-20 ~ +70°C		
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)		
Power			
Input Range	+12 VDC to +48 VDC		
Power form PoE	IEEE 802.3af		
Isolation	-	1 kV	
Consumption	6 W	13 W	16 W

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Applications



Ordering Information

InduSoft Default Runtime License: 300 Tags, Unlimited Drivers	
IWS-2201-CE7	InduSoft based PAC with 7" LCD (WinCE7 OS)
IWS-4201-CE7	InduSoft based PAC with 10.4" LCD (WinCE7 OS)
IWS-6201-CE7	InduSoft based PAC with 15" LCD (WinCE7 OS)
InduSoft Default Runtime License: 1500 Tags, Unlimited Drivers	
IWS-2201-CE7-1500	InduSoft based PAC with 7" LCD (WinCE7 OS)
IWS-4201-CE7-1500	InduSoft based PAC with 10.4" LCD (WinCE7 OS)
IWS-6201-CE7-1500	InduSoft based PAC with 15" LCD (WinCE7 OS)

Additional Package

InduSoft (ICP DAS)	http://www.icpdas.com/products/Software/InduSoft/indusoft.htm
InduSoft (Original)	http://www.indusoft.com/

Option Accessories

DIN-KA52F	24 V/1.04 A, 25 W Power Supply with DIN-Rail Mounting
MDR-20-24	24 V/1 A, 24 W Power Supply with DIN-Rail Mounting
CA-0950-3W	5.0 M 3-Pin Male to Female D-sub RS-232 Cable w/Ferrite Core

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