



### Features

- PXA270, 520 MHz CPU
- Windows CE.NET 5.0 Core
- InduSoft Web Studio v6.1
- Hard Real-Time Capability
- 64-bit Hardware Serial Number for Software Protection
- Audio with Microphone-In and Earphone-Out
- I/O Expansion Bus
- VGA Port Output
- Dual 10/100M Ethernet Ports
- 3 Serial Ports (RS-232/485)
- Operating Temperature: -25 ~ +75°C



### Introduction

WP-5149 and WP-5149-OD Series are equipped a PXA270 CPU (520 MHz) running a Windows CE.NET 5.0 operating system, various connectivity (VGA, USB, Ethernet, RS-232/485) and I/O expansion bus for one XW-Board.

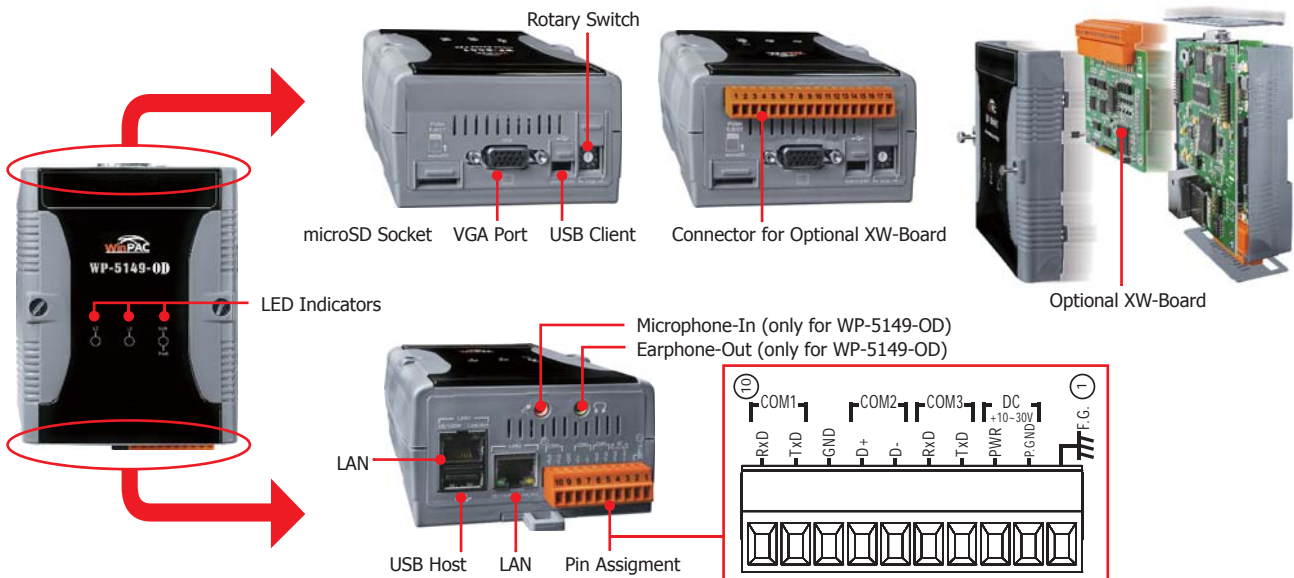
WP-5149 and WP-5149-OD are capable of running InduSoft Web Studio, InduSoft Web Studio is a powerful, integrated collection of automation tools that includes all the building blocks needed to develop modern Human Machine Interfaces (HMI), Supervisory Control and Data Acquisition (SCADA) systems, and ViewPAC applications. InduSoft Web Studio's application runs in native Windows NT, 2000, XP, CE and CE .NET environments and conforms to industry standards such as Microsoft .NET, OPC, DDE, ODBC, XML, and ActiveX.

### InduSoft Features

- Elegant Graphics
- Multi-Language
- Database (Access, Excel, SQL, Oracle...)
- Recipes and Reports
- Remote Web Client Control & Security
- System Redundancy
- Online and History Alarm / Event / Trend
- Various Communication Driver (DCON, Modbus, OPC, DDE, TCP/IP...)
- ActiveX (GSM / SHM / COM /WEB provided by ICP DAS)
- Online Configuration and debugging
- Others (VBScript, E-mail, FTP, SNMP...)



### Appearance



## Specifications

Models	WP-5149	WP-5149-OD
<b>System Software</b>		
OS	Windows CE 5.0 Core	
.Net Compact Framework	3.5	
Embedded Service	FTP server, Web server	
SDK Provided	DII for eVC, DII for Visual Studio.Net 2003/2005/2008	
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese	
<b>CPU Module</b>		
CPU	PXA270, 520 MHz	
SDRAM	128 MB	
Flash	64 MB	
EEPROM	16 KB	
Expansion Flash Memory	microSD socket with one 2 GB microSD card (support up to 32 GB microSDHC card)	
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 Timers	Yes	
LED Indicators	1 LED for Power and Running 2 LEDs for user programmable	
Rotary Switch	Yes (0 ~ 9)	
<b>VGA &amp; Communication Ports</b>		
VGA	Yes 640 × 480 / 800 × 600	
Ethernet	RJ-45 x 2, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)	
USB 1.1 (client)	1	
USB 1.1 (host)	1	
Audio	-	Microphone-In and Earphone-Out
COM 1	RS-232 (Rx/D, Tx/D and GND); Non-isolated	
COM 2	RS-485 (Data+, Data-); 2500 V <sub>dc</sub> isolated	
COM 3	RS-232 (Rx/D, Tx/D and GND); Non-isolated	
<b>I/O Expansion</b>		
I/O Expansion Bus	Yes, to mount one optional XW-Board.	
<b>Mechanical</b>		
Dimensions (W x L x H)	91 mm x 132 mm x 52 mm	
Installation	DIN-Rail Mounting	
<b>Environmental</b>		
Operating Temperature	-25 ~ +75°C	
Storage Temperature	-30 ~ +80°C	
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)	
<b>Power</b>		
Input Range	+10 ~ +30 V <sub>dc</sub>	
Isolation	1 kV	
Consumption	4.8 W	6 W

## Ordering Information

WP-5149-EN CR	InduSoft based WinPAC-5000 (English Version of OS) (RoHS)
WP-5149-OD-EN CR	InduSoft based WinPAC-5000 with Audio (English Version of OS) (RoHS)
WP-5149-TC CR	InduSoft based WinPAC-5000 (Traditional Chinese Version of OS) (RoHS)
WP-5149-OD-TC CR	InduSoft based WinPAC-5000 with Audio (Traditional Chinese Version of OS) (RoHS)
WP-5149-SC CR	InduSoft based WinPAC-5000 (Simplified Chinese Version of OS) (RoHS)
WP-5149-OD-SC CR	InduSoft based WinPAC-5000 with Audio (Simplified Chinese Version of OS) (RoHS)

## Option Accessories

DP-660	24 V <sub>dc</sub> /2.5 A, 60 W and 5 V <sub>dc</sub> /0.5 A, 2.5 W Power Supply with DIN-Rail Mounting
DP-1200 CR	24 V <sub>dc</sub> /5.0 A, 120 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-20-24 CR	24 V <sub>dc</sub> /1.0 A, 24 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-60-24 CR	24 V <sub>dc</sub> /2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)
XW-Board	Add-on I/O Expansion Board