

WP-8146, WP-8446, WP-8846

InduSoft and ISaGRAF based WinPAC-8000



WP-8146

WXP-8446

WP-8846

Specifications

System Software	
OS	Windows CE 5.0
.Net Compact Framework	2.0
Embedded Service	FTP Server, Web Server
Development Software	
InduSoft Software	InduSoft Web Studio v6.1 Service Pack 3
ISaGRAF Software	ISaGRAF Version 3 : IEC 61131-3 standard. Languages: LD, ST, FBD, SFC, IL & FC
Others	Options: Microsoft EVC++4.0 or VS.NET 2003/2005/2008 (VB.NET 2003/2005/2008, C#.NET 2003/2005/2008)
Web Service	
Web HMI	Support Web HMI function, PC running Internet Explorer can access to the WP-8x46 via Local Ethernet or Internet or dial Modem, monitoring and control.
Security	Web HMI supports three levels user name and password protection
Power Supply	
Input Range	+10 ~ +30 VDC (unregulated)
Isolation	1 kV
Redundant Power Inputs	Yes, with one power relay (1 A @ 24 VDC) for alarm
Protection	WP-8146: 1.0 A, 5 V supply to CPU and backplane; 0.6 A, 5 V supply to I/O expansion slots, total 8 W WP-8446: 1.1 A, 5 V supply to CPU and backplane; 4.9 A, 5 V supply to I/O expansion slots, total 30 W WP-8846: 1.2 A, 5 V supply to CPU and backplane; 4.8 A, 5 V supply to I/O expansion slots, total 30 W
Consumption	WP-8146: 7.3 W (0.3 A @ 24 V); WP-8446: 9.1 W (0.38 A @ 24 V); WP-8846: 9.6 W (0.4 A @ 24 V);
General Environment	
Temperature	Operating: -25 °C ~ +75 °C (-13 ° F ~ +167 ° F) , Storage : -30 °C ~ +85 °C (-40 ° F ~ +176 ° F)
Humidity	5 % ~ 95 % RH (non-condensed)
System	
CPU	CPU: PXA270, 32-bit and 520 MHz or compatible
Dual Watchdog Timer	Watchdog: Dual Watchdog Timer

RTC (Real Time Clock)	Gives hour, minute, sec, day of week, day of month, month & year, valid up from 1980 ~ 2079
SRAM	128 MB
Dual Battery Backup SRAM	512 KB (for 5 years data retain while power off)
FLASH	96 MB (64 MB for OS image, 31 MB for built-in Flash disk, 1 MB for registry)
Expansion Flash Memory	microSD socket with 16 GB flash card
EEPROM	16 KB, Data retention: 40 years. 1,000,000 erase/write cycles
I/O Slots	WP-8146: 1 slot (slot0); WP-8446: 4 slots (slot0 ~ slot3); WP-8846: 8 slots (slot0 ~ slot7); Accept High Profile I-8K Parallel & High Profile I-87K Serial I/O boards I/O Module Hot Swap Ability : for High Profile I-87K only
Rotary Switch	Yes (0~9)
DIP Switch	WP-8446 & WP-8846: Yes, 8 bits DIP Switch; WP-8146 : no DIP Switch
LED, NET ID	1 programmable LED indicator. NET ID: From 1 ~ 255, set by software
Unique Serial Number	Yes,64-bit hardware unique serial number
Serial Ports	
VGA Port	1 VGA port (800 x 600 resolution)
USB Port	one USB 1.1 Host ports for USB mouse, keyboard or USB drive
COM0	Internal communication with the I-87K High Profile modules in slots
COM1	RS-232 (RxD, TxD, and GND); Non-isolation; Speed: 115200 bps max.
COM2	RS-485 (D2+, D2-; self-tuner ASIC inside); 2500 VDC isolation for 1 slot controller and 3000 VDC isolation for 4/8 slots controller; Speed: 115200 bps max.
COM3	RS-232/RS-485 (RxD, TxD, CTS, RTS and GND for RS-232, DATA+ and DATA- for RS-485); Non-isolation; Speed: 115200 bps max. (WP-8149 has no COM3 & COM4.)
COM4	RS-232 (RxD, TxD, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolation; Speed: 115200 bps max. (WP-8149 has no COM3 & COM4.)
Dual Ethernet Ports	2 Ethernet Ports: LAN1 & LAN2, 10/100 Base-TX Ethernet Controller (Auto-negotiating, Auto MDI/MDI-X, LED indicator) Please use NS-205/NS-208 Industrial Ethernet Switch.