

IP Serial Device Server (Wi-Fi)

Overview

The WIPS (Wireless IP Serial Server) provides easy and reliable serial to Ethernet connectivity for the industrial automation market. The WIPS can be used to connect any serial device to IEEE 802.11 b/g network, and provide TCP server and TCP client modes to ensure the compatibility of network software.

The WIPS provides the serial device server for Windows hosts to control serial devices located virtually anywhere through a TCP/IP network. In industrial networking, administrators often encounter wiring problem with serial devices. The WIPS is designed to connect the hard-to-wire serial devices. Applications include industrial/factory automation, automatic warehouse control, and hospital/laboratory automation.

The WIPS Windows driver installs a virtual COM on windows which maps the virtual COM port to the IP address of the WIPS device across the network, enabling the Windows applications to access rem

ote serial devices over Ethernet

Features and Benefits

- Connect Serial Device to 802.11g/b (up to 54Mbps) wireless network
- Support Wireless WEP/WPA/WPA2 security types, and TKIP/AES data encryption
- Supports RS-232, RS-422 and RS-485 interfaces
- Virtual COM drivers for Windows 2000/2300/XP/Vista
- Linux Real TTY driver
- Various Management Interfaces
- TCP probe ensures reliable communications
- Accepts AC or DC power supplies over a wide range of voltages
- Provide Redundant Power Input
- Terminal block power connectors for industrial installations
- DB-9 serial connectors for easy installation
- DIN rail mount, Panel mount, or Desktop



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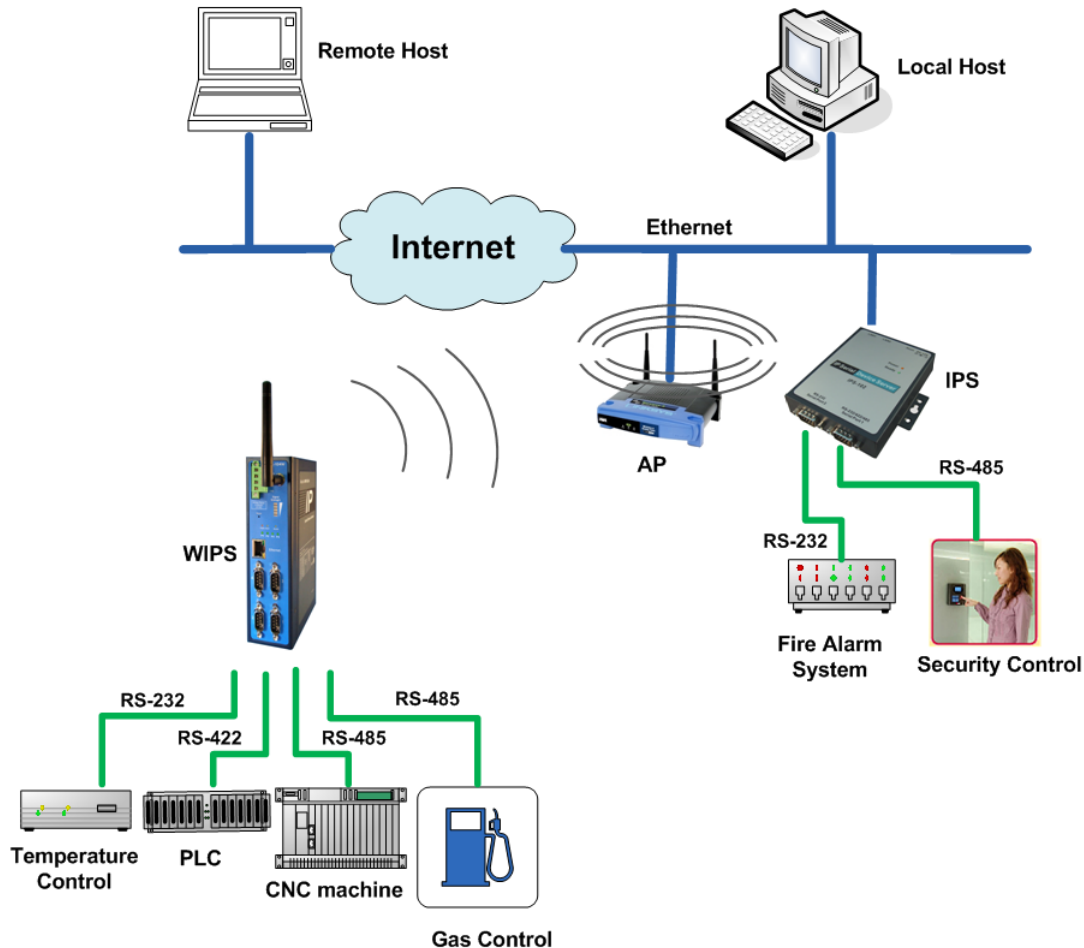
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Applications

The WIPS provides secured wireless management for applications where wired networking is unreachable. The speed of the 802.11g is up to 54Mbps, and the external antenna can expand the range of Wireless LAN.



Technical Specifications

Serial Interface	Serial Port Mode : RS-232, RS-422, RS-485H, RS-485F Baudrate : 50 bps to 921.6 Kbps Flow Control : None, RTS/CTS, Xon/Xoff Data Packing Delimiters Forced Transmit, Inter-byte Gap
LAN / WLAN Interface	Ethernet, Wireless LAN (IEEE 802.11b/g)
Wireless Security	WEP, WPA, WPA2 TKIP, AES
Network Security	IP Address Filtering SSL 256-bit Data Encryption, SSHv2 SSL / Certificate, RADIUS, LDAP
Communication Modes	Virtual COM drivers for Windows 2000/2003/XP/Vista Linux Real TTY driver Straight IP mode, Paired Mode TCP Server, TCP Client, or UDP
Network Protocols	TCP, UDP, IP, ARP, ICMP, HTTP, HTTPS, Telnet, SSH, DHCP, SMTP, DDNS, SNTP, SMTP, SNMP, UDP Multicast
Power & Environment	Redundant Power Input: AC Input (24VAC), DC Input (9-48VDC)
Mechanical	Rugged IP30 Metal Case DIN rail mount, Panel mount, or Desktop