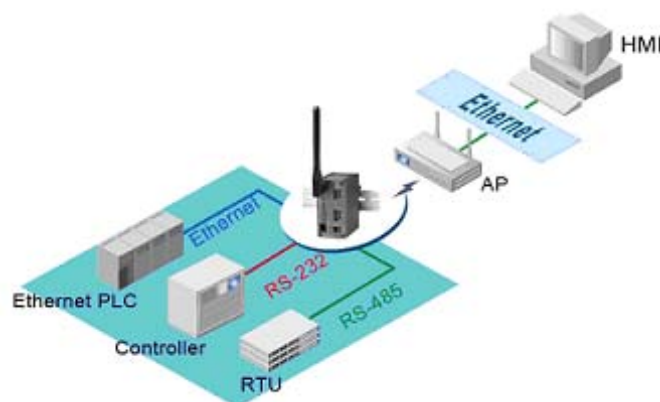


FDC PC-W Ethernet Wireless Client Adapter



This Wireless Client Adapter provides Ethernet wireless connectivity for serial devices RS232, RS422, RS485 and Ethernet devices

Features

- Two Serial ports (RS232/RS422/RS485)
- One 10/100 Ethernet Port
- Transparent between Ethernet to Wireless Networking
- Support UDP, TCP server and client protocols for Virtual COM mode and pair connection
- Configurable via built-in web server and Windows based utilities
- Metal Housing, IP50 with DIN-Rail mounting
- 15KV ESD protection for serial ports
- IEEE 802.11g 54Mbps wireless network connectivity
- Standard 2.4GHz High-gain antenna
- Transmission distance up to 300 meters @ 12 Mbps (in open areas / line of sight; optional antennas up to 800 meters)

Wireless LAN

Hardware

- Compliance to IEEE 802.11b/g Standard
- Modulation Type: CCK, DQPSK, DBPSK, OFDM (11g)

Topologies

- Infrastructure and Ad-Hoc

Security

- WEP 64-bit/128-bit data encryption
- WPA Compatible (TKIP/AES Encryption)
- WPA2-PSK

RF Performance

- TX Power: 14 dBm for 802.11b and 13 dBm for 802.11g
- RX Sensitivity: (-66 dBm @ 54 Mbps) (-80 dBm @ 11 Mbps)
- Transmission Rate: 54 Mbps (max.) with auto fallback
- Transmission distance: Up to 300 meters @ 12 Mbps (in open areas)
- Mobile for Fast Roaming

Interfaces

- Reverse SMA connector for an external antenna

Serial

Protocol

- Support RS-232/RS-422 and Software Selection

Interface

- D-Sub 9-pin Connector—DB Model (with 12KV ESD)

Parameters

- Baud Rate: 1200 bps ~ 921 kbps
- Parity Check: None, Odd, Even, Mark, Space
- Data Length: 7/8 Bit
- Stop Bit: 1/2
- Flow Control: None, Software, Xon/Xoff, Hardware: RTS/CTS

Network

Hardware

- 10/100M Auto-Negotiation Fast Ethernet

Interface

- RJ-45 Connector with 2 LEDs
- Protection: Built-in 1.5 KV magnetic isolation

Configuration

- Using Web-based or serial manager program

Power

Input

- DC 9V-48V

Consumption

- 4.5 W max @ Tx Mode

Mechanical

Dimensions

- H x W x D: 90 mm x 45 mm x 75 mm
3.54 in x 1.77 in x 2.95 in

Casing

- Metal Housing for IP50 Standard

Environmental

Operation Temp.

- ~ 0 to 65°C (32 to 140°F), 5 to 95% RH

Storage Temp.

- ~ -20 to 85°C (-4 to 185°F), 5 to 95% RH

Regulatory Approvals

EMC

- FCC/CE

Safety

- UL

Warranty

- 3 Years

Software Specifications

Protocol

- ICMP, IP, TCP, UDP, DHCP Client, Telnet, DNS, SNMP, HTTP, SMTP, SNTp

Utility

- Virtual COM Utilities for Windows 98/2000/XP/2003/Vista
- Configure Utilities: Support for Windows 98/2000/NT/XP/2003/Vista

Configuration

- Web browser
- Windows utility software

Buffer Size

- TCP receiving buffer size = 8K bytes
- TCP transmitting buffer size = 16K bytes
- RS-232/RS-485 receiving buffer size = 4K bytes

Order Code

Order Code: FDC-PC-W

Accessories

AH182-B

- AC100~240V US plug / DC 12V DC-Jack

AH182-E

- AC100~240V Europe plug / DC 12V DC-Jack

1GP-2409 (*)

- 9.0 dBi omnidirectional antenna (800 meters)

1GP-24001 (*)

- 9.0 dBi directional panel antenna (800 meters)

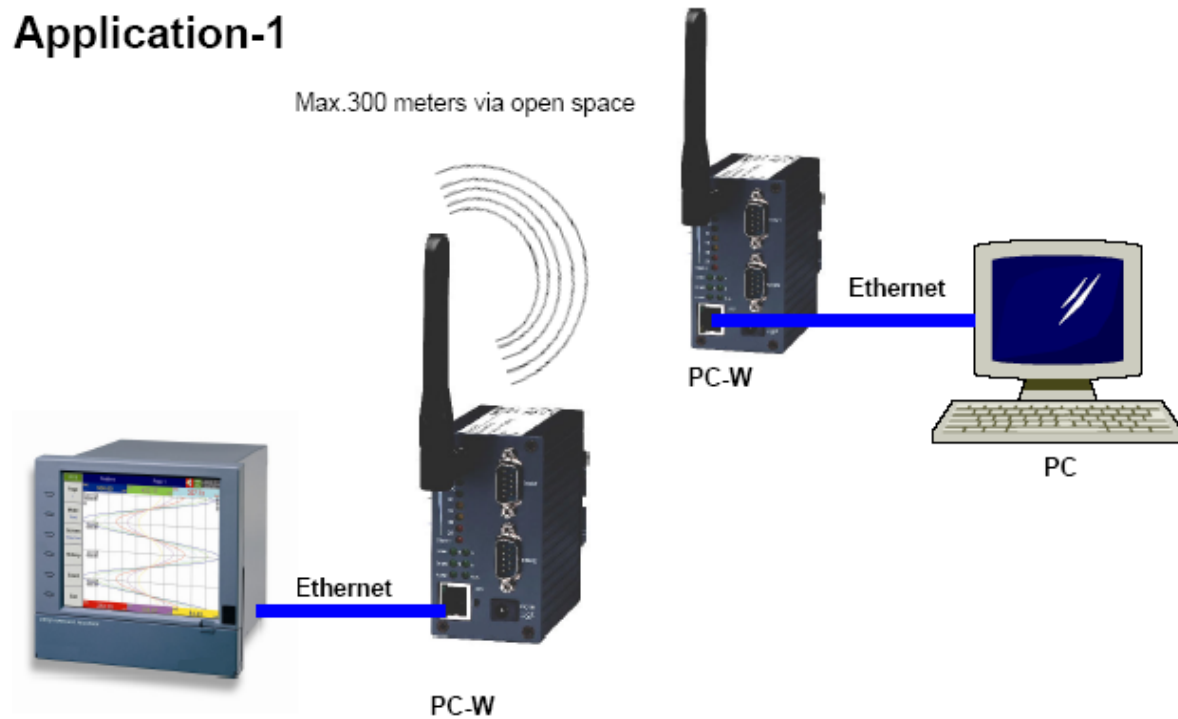
1CP-0025

- External RF Cable, RG58 SMA to N Male with 3 meter cable (used with above antennas)

(*) maximum line of sight distance: 800 meters

FDC PC-W Ethernet Wireless Client Adapter

Application-1



VR18

Fig: Paperless Recorder to PC by two PC-W devices
Via Wireless Ethernet

Application-2

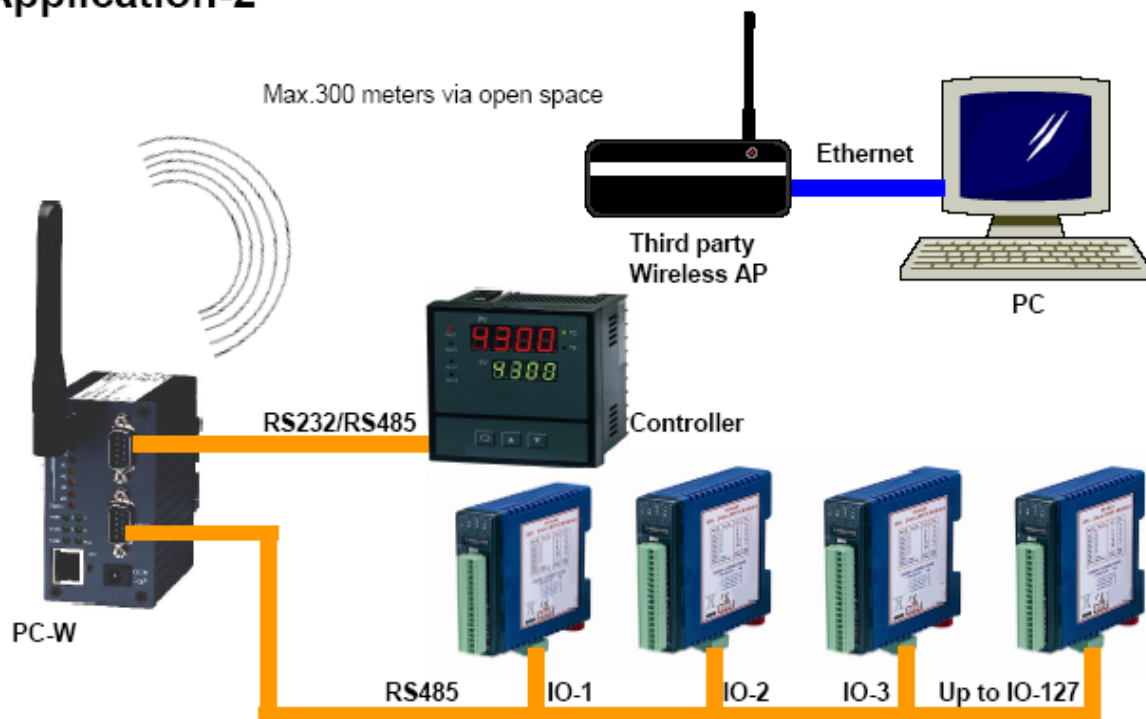


Fig: Controller and IO Modules to PC via Wireless Ethernet