

AN-WF-RS-232/422/485 is WiFi wireless access based serial RS-232/422/485 to IP converter / serial networking device

DESCRIPTION

The serial device networking (TCP/IP) has become a trend of industrial on-site networking. However, the on-site wiring construction and alternation cost have always been a bottle neck of serial device networking. With the growingly mature WLAN technology and falling cost of related hardware, the advantage of serial device networking has become quite obvious, which makes serial device wireless networking a must.

AN-WF-RS-232/422/485 wireless serial port server offers wireless transceiver and high speed serial port, conforming to IEEE802.11b wireless network communication standard. The maximum standard transmission distance is 300M and further wireless communication can be achieved by additional high gain external antenna, which can not only prevent difficult wiring but also lower construction cost, specially suitable for devices like industrial environment and factory automation system, on-site monitoring system, etc.

The RS232 connection application has been used for a long time. RS232 cable has limitations in distance. WLAN (Wireless Local Area Network) has become a worldwide standard protocol for wireless applications. There are many applications for using RS232 connection over WLAN, including POS, data capture, telemetry, PLC controllers, remote control, vending machine, industrial control, and others. The device that supports connection over WLAN is called as Wireless to Serial Server.

To make your management task easier, the **AN-WF-RS-232/422/485** provides additional features, such as password authentication, IP filter, WEP support for 64-bit and 128-bit encryption, and SNMP support.

FEATURES

- Connect serial device to Wireless LAN network
- 802.11b Wireless LAN, compatible with 802.11g
- WEP support for 64-bit and 128-bit encryption
- Password authentication and IP filter
- Ad-Hoc(peer-to-peer), Infrastructure, Pseudo IBSS mode support
- RS-232 Serial Port for console
- 3 in one RS-232/422/485 port can be freely chosen, at up to 57.6 Kbps
- Versatile socket operation modes, including: TCP/IP, UDP/IP, HTTP, ARP, DHCP client
- Easy-to-use Windows Utility for mass installation

Supports Windows Virtual COM drivers
LEDs indicate LINK, DIS, ACT and PWR.

SPECIFICATIONS

Environmental:

Temperature: Operating: 0 to +55 °C / +32 to
Storage: -20 to +65 °C / -4 to +149 °F
Relative Humidity: 95% (non-condensing)

Serial Interface

Interface	RS-232/422/485 (software selectable)
No. of Ports	1
Port Type	Male DB9

Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

RS-422: Tx+, Tx-, Rx+, Rx-, GND

RS-485 (4-wire): Tx+, Tx-, Rx+, Rx-, GND

Interface: RS-232/422/485

Port Type: DB9 Male and six bit terminal

Baud Rate Options: 9600, 38400, 57600 bps

Data Length Options: 8 bits

Parity options: None

Stop Bits Options: 1 bit

Flow Control: Hardware or none

Serial UART Buffer: 256 bytes input, 256 bytes output

LAN

10/100 Mbps, RJ45, Auto MDI/MDIX

WLAN

Spread Spectrum Technology: DSSS (Direct Sequence Spread Spectrum)

RF Range: 2.4 ~ 2.4835 GHz

Data Rate: 11 / 5.5 / 2 / 1 Mbps

Modulation: DBPSK for 1 Mbps, DQPSK for 2 Mbps, CCK for 5.5 / 11 Mbps

Operation channels: US - 11, Europe - 13, France - 4, Spain - 2, Japan - 14
RF Power Output (Typ.): +15 dBm Receive Sensitivity (Typ. @BER 10E-5): -83 dBm@11Mbps

Emissions EMC Certificate:

U.S.A.: FCC Part 15 Subpart C

CE: ETSI EN 300 328, EN 301 489-1/17, EN 55022, EN 61000, EN 50371

Certification: Some models are already FCC Modular-Certified for immediate

Applications:



point to point Network



AN-WF-RS-232/422/485 **WiFi (802.11b)** wireless access based serial RS-232/422/485 **to IP converter** / serial networking device, 110-220 VAC. or DC power options

Above item includes in set:

- 802.11g Wireless to Serial Server
- Removable Antenna (RP-SMA) ("Reverse Polarity – SMA")
- CD (containing Set Up Utility, User Manual and various Application Notes)
- AC Power Adapter with DC barrel plug (2.1mm ID, 5.5mm OD)
- RS-232 DB9 Female Cross

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Haberleşme sistemlerinde **yüksek performansı** yakalayın

