Wi-Fi Serial Server

Specifications

System Information

- Processor: MIPS solution (32bit 580MHz)
- RAM / Flash: 8M / 2M

Ethernet

- Port Number: 1
- Interface Standard: 8 pin RJ45
- Rate: 10/100 Mbps, MDI/MDIX, Auto switch between cross and direct connection
- Protection: 2KV electromagnetism isolation, Schell insulation blocking
- Network Protocol: IP, TCP, UDP, DHCP, DNS, HTTP, ARP ICMP, Web socket, Http client

Receive Buffer: 64K byte
Max. TCP Connection: 32

Wi-Fi

- Standard: 802.11 b/g/n
- Network Mode: AP / Station / AP+Station
- Access Terminal Quantity in AP Mode: 32
- Frequency Range: 2.412 GHz - 2.484 GHz
- Transmit Power: 802.11b: +20 dBm (Max) 802.11g: +18 dBm (Max) 802.11n: +15 dBm (Max)
- Receive Sensitivity: 802.11b: -89 dbm 802.11g: -81 dbm 802.11n: -71 dbm
- RF Model: DSSS / OFDM
- Transmission Rate: 802.11b: 11 Mbps 802.11g: 54 Mbps 802.11n: 54 Mbps
- Antenna Interface: SMA

Serial

- Port Number: 2 (1*RS-232, 1*RS-485, can not work at the same time)
- Interface Standard: RS-232: D9 pin type; RS-485: 2 wire (A+, B- GND)
- Data Bits: 5, 6, 7, 8
- Stop Bit: 1.2
- Flow Control: RTS / CTS
- Buffer: Send and receive 4K bytes respectively
- Transmission Range: Max 400m (open horizon, 3dbi antenna)
- Wireless Network Security: RS-485 Pull-up and Pull-down Resistor: 2.2 KΩ
- Operating Temp.: -25 ~ 85°C

Basic Parameter

- Size: 84 x 84 x 25 mm
- Storage Temp.: -40 ~ 125°C
- Input Voltage: DC 5 ~ 18 V
- Working Current: 140 ~ 350 mA @ 5V
- Power: AP: 140mA @ 5V STA: 140mA @ 5V EPHY: 170mA @ 5V AP: 60mA @ 12V STA: 60mA @ 12V EPHY: 70mA @ 12V

Software

- Virtual Serial USR-VCOM: Windows 2000 or higher (32bit/64bit)
- Configuration: Built-in webpage, Serial AT command
- Computer set-up software

Accessories

- 5V 1A high-quality power supply
- Female to female serial line, Cable, 3dbi antenna

More

- Certificate: FCC/CE/ROHS/TELEC
- Warranty: 2 years