

Serial To Wireless Lan TTL Module with GPIO E-P132-WB-T



WLAN

- **ARM-9 CPU Linux OS, 200 MHz , SDRAM:32 M , FLASH ROM : 64M**
- **Standard Compliance: IEEE 802.11b/g/n**
- **Spread Spectrum Technology: DSSS, OFDM**
- **Tx Power 11b: Maximum 16 dBm**
- **Tx Power 11g: Maximum 16 dBm**
- **Rx Sensitivity: -73 dBm @ 54 Mbps, -86 dBm @ 11Mbps**
- **Transmission Rate: 54 Mbps (max.) with auto fallback (54,48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps)**
- **Transmission distance: Up to 100 meters(@12 Mbps, in open areas)**
- **Security: WEP 64-bit/128-bit data encryption, AES, WPA2,WPS**
- **Antenna Connector: Reverse SMA , 2 dBi Antenna**
- **Network Mode: Infrastructure, Ad-Hoc, Soft AP**

Serial

- **No. of ports: 1 * UART TTL port**
- **RS-232 TTL Signals: TxD, RxD, GND, RTS, CTS**
- **Serial Line Protection: 15 KV ESD for all signals**
 - ▶ **Parity: None, Even, Odd, Space, Mark**
 - ▶ **Data bits: 5, 6, 7, 8**
 - ▶ **Stop bits: 1, 1.5, 2**

- ▶ **Speed:** 110 bps to 230.4 Kbps

GPIO

GPIO * 8 PINS

Power Requirements

- ▶ **Power input :** 5 VDC 500 mA

Environmental

- ▶ **Operating Temperature:** -10 to 65°C (32 to 131°F), 5 to 95% RH

Storage Temperature: -20 to 70°C (-4 to 185°F), 5 to 95%RH

Regulatory Approvals

- ▶ **RoHS**
- ▶ **EMC:** FCC Class A, CE Class A

Software Features

- ▶ **Protocols:** ICMP, IP, TCP, UDP, DHCP, BootP, ARP / RARP, DNS, HTTP, SMTP, SNTP
- ▶ **Serial mode: Virtual Com / TCP Server / TCP Client / UDP / Serial Tunnel with advanced settings of:**
 - ◇ **Inactivity Timeout**
 - ◇ **Force TX Timeout for Data Packing**
- ▶ **Security: Login Password**
- ▶ **Ulities: Windows NT/2000/XP/2003/VISTA/ Windows 8 / Windows 10**

Virtual COM/TTY Drivers (WDM mode, configuration in windows device

manager): Windows NT/2000/XP/2003, VISTA/ Windows 8 / Windows 10

