



Features

- Support WiFi HaLow & WiFi 6
- Support Transparent / Modbus
- Support up to 500-1500 Meters in open space (WiFi HaLow)
- Web Page Configuration
- Support 8 TCP Clients Connection
- Wide Range Power Input DC5V~36VDC
- Support Multi-Wireless Application Mode

System

- CPU : ARM Cortex M3
- RAM : 1M Byte
- ROM : 32K Boot

Serial Interface

- Port Type : RS-422 / 485
- Connector : DB9 to 6P Terminal Block Connector
- Baud Rate:
1.2/2.4/4.8/9.6/19.2/38.4/57.6/115.2/230.4 Kbps
- Parity: none/even/odd
- Stop bit: 1,1.5,2
- Data bit: 5,6,7,8

WiFi 4/ WiFi 5/ WiFi 6

- IEEE 802.11 bgnr: 2.4 GHz
- IEEE 802.11 ax: 2.4 GHz
- **Transmit Power :**
802.11b: +19dBm(Max.@11Mbps, CCK)
802.11g: +18dBm(Max.@54Mbps ,OFDM)
802.11n: +16dBm(Max.@HT20, MCS7)
802.11ax: +16dBm(Max.@HT20, MCS7)
- **Receive Sensitivity:**
802.11b: -85 dBm(@11Mbps, CCK)
802.11g: -70 dBm(@54Mbps, OFDM)
802.11n: -68 dBm(@HT20, MCS7)
802.11ax: -68 dBm(@HT20, MCS7)
- **Operating Current** (work with 3.3V power supply)
IEEE802.11bgnr:@AP mode, 74mA (average), 285mA (peak)
IEEE802.11bgnr:@STA mode,32mA (average), 196mA (peak)
IEEE802.11ax: :@AP mode, 74mA (average), 285mA (peak)
IEEE802.11ax:@STA mode, 32mA (average), 196mA (peak)
- Wireless Network Type : AP , Station , AP+Station
- Wireless Security : WPA3

WiFi HaLow

- IEEE 802.11 ah: 850~925 MHz
- **Transmit Power :**
802.11ah: 20dBm(Max.@13.5Mbps,MCS7,4MHz BW)
- **Receive Sensitivity:**
802.11ah: -81~106 dBm(depend on bandwidth & data rate)
- **Operating Current** (work with 3.3V power supply)
IEEE802.11ah: RX 15mA@ 3.3V, TX 190mA@ 3.3V (+15 dBm Pout)

Mechanical & Environment

- Operating Temperature : - 15 °C ~ +75 °C
- Dimensions : 95mm(L) x 58mm(W) x 28mm(H)
- Weight : 175 gm (Not including power)

Power Input

- USB (Type C) (5V ONLY)
- 2P Terminal Block (5~36 VDC)
- Pin 9 of DB9 (5~36 VDC)

LED

- PWR (Red on / Blue flash per 1 sec)
- Link (Red on / Blue on)
- Data transmitted (Red on / Blue flash per 0.3 sec)

Warranty

Warranty period : 1 year

Order Information

NT-832-AH-485 (For RS-485/422)
NT-832-AH-232 (For RS-232)