

## Wireless Transmitter



### WAA-WTM-485

**WatchNET Access Wireless Transmitter** has been specifically designed to meet the industry's remote access requirements. This unit fits excellently in areas where cabling is close to impossible at the same time making no compromises to the system functionality. The system functionality remains the same whether it is hooked up using cables or has wireless connectivity.

This unit also can be used independently as a wireless sensor for home automation applications, for Data Acquisition, Telemetry, Asset Management, Building Automation, Parking Management and a wide variety of data communication applications.

### Description

**WAA-WTM-485** is a highly integrated micro-power half-duplex wireless data transmission module, its embedded high-speed SCM and high performance RF Chip makes it a highly reliable and outstanding wireless transmitter. The use of innovative and high effective cycle intertwined error correction coding has greatly improved its immunity and sensitivity which allows correcting up to 24bits continuous burst error. **WAA-WTM-485** also provides multiple channels outputs to transmit data for a wide range of applications with absolute simplicity in programming and configuration. **WAA-WTM-485** also provides two interfaces (RS485 & RS232).

For wireless communications in the system we need a pair of these units to act as a transmitter and receiver.

### Features

- Wireless point to point transmission, multipoint transmission
- Range up to a maximum of 1000 M
- Reasonably strong penetration through obstructions
- Up to 4 channels to enable multiple data transmission
- Interfaces for RS485/ RS232
- Active driver with optical isolation
- 3 LED indicators
- External interface for easy connection
- Easy configuration, user friendly
- Baud rate:  $\leq 115,200$ Bps
- Buffer space: 5KB
- High Stability Microprocessor
- Metal surface providing excellent electrostatic shielding

### Specifications

- Maximum transmission distance: 1000M
- Interface: RS485 to RS485  
RS232 to RS485  
RS232 to RS232
- Working frequency: 433MHz
- Buffer space: 5K
- Voltage: 7-12VDC
- Current:  $\leq 300$ mA
- Ambient Temperature:  $-30^{\circ}\text{C}$  to  $65^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$  to  $150^{\circ}\text{F}$ )
- Humidity: 0-95%
- LED indicator control: Power light +Indicator
- Dimension: 63mm(H)x93mm(W)x20mm(D)



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Rev. Nov. 20, 2019

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