

# Wireless Transfer Converter

## Model: WTC-485



### WTC-485

(Wireless transfer Converter)

#### Feature:

- Wireless point to point transmission, multipoint transmission, save wiring trouble.
- Up to 1000M distant with obstructed transmission, strong penetration.
- Up to 4 channels to enable multiple data flow transmission.
- Interfaces for RS485/232
- Active driver with optical isolation
- 3 LED indicators.
- External interface for easy connection
- No need for outsourcing driver or configuration, easy to use.
- Baud rate:  $\leq 115,200$ Bps
- Metal surface, outstanding electrostatic shielding.
- High stability and more reliable based on ISO:9001

#### Description:

**PTC-485** is a highly integrated micro-power half-duplex wireless data transmission module, its embedded high-speed SCM and high-performance RF Chip has made it a 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. **PTC-485** provides multiple channels to transmit data of a wide range which need no complicate configuration nor programmed. Plus PTC-485 provide two interfaces (RS485 & RS232) with small size and wide voltage.

It requires a couple of PTC-485 to provide normal function which need no configuration (Host/Master and Client/Slave).

#### Application:

- Security terminal wireless transfer, such as: Access Control, POS system, Car Parking
- Industry wireless control, building automation and security, remote control.

#### Specification:

- CPU: Texas Instrument ARM® Cortex-M3
- Maximum transmission distance: 1000M
- Interface: RS485 to RS485  
RS232 to RS485  
RS232 to RS232
- Working frequency: 433MHz
- Buffer: 5K.
- Voltage: 7-12VDC; Current  $\leq 300$ mA
- Work Temperature: -30°C to 65°C (-22°F to 150°F)
- Humidity: 0--95%
- LED light indicator control: Power light +Indicator
- Dimension: 63mm (H) x 93mm (W) x 20mm (D)
- Weight: 190g

