



OEM Dongle Assembly

BLE Receiver Module for OEM Integration

P/N	TP2377	Model	See Below
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Overview & Features



- Compatible with our OEM PC Application Software to display and log probe data.
- Accepts standard USB power input for simple integration into OEM host systems.
- Provides flexible data outputs via USB, RS485, TTL serial for direct connection to a host PC or embedded controller.
- High gain PCB trace antenna or high gain external antenna (3dBi) for strong, reliable wireless reception from temperature probes.
- Compact form factor designed for easy integration into OEM enclosures and assemblies.

Environmental & Hazardous Materials

RoHS, REACH

Specifications

Input Power	USB 5VDC, 0.5A minimum
Data Outputs	USB, RS485, TTL serial
Antenna	High gain PCB trace antenna or high gain external antenna, 3dBi
Size	63 x 28 x 14 mm (2.5 x 1.1 x 0.56 in)
Weight	14 g (0.5 oz)

Model Numbers

Model	Data Output
TP2377-USB	USB
TP2377-RS485	RS485
TP2377-3.3v_Serial	3.3v TTL Serial
TP2377-5v_serial	5.0v TTL Serial

RS485 Interface Details

Applies to model TP2377-RS485. The RS485 output provides a half-duplex differential serial link for connection to a host PC or embedded controller.

Baud Rate	115200 bps
Load Resistor	Optional (120 Ω line termination)

Wiring / Pinout

Wire	Wire Color	Signal
	RED	+5VDC
	BLK	GND
	YEL	RS485A
	BLU	RS485B

RS485A / RS485B form the differential data pair. Termination (120 Ω) is optional and typically fitted only at the far ends of a long bus.