

868 MHz Data Transceiver

DTR-868



Description

The DTR-868 data transceiver operates in 868 MHz frequency band. It enables bi-directional data communication with AST sensor tags as well as one or more DTR-868 transceivers. The DTR-868 transceiver comes with embedded web server and control software permitting identification, setting-up interrogation modes and sending commands to the sensors.

Features

868.320 MHz operating frequency

Operating distance: up to 100 m (line-of-sight)

Multiple outputs: Ethernet, Analog, RS232

Integrated HTML5 compatible web server

Data rates up to 100 kbps for standard module


RoHS compliant

CE certified



DTR-868

Characteristics

Regulatory approvals	EN 60950-1 EN 61000-6-2 EN 301489-1 & -3 EN 300220-1 & -2	
Operating frequency	868.320 MHz	
Transmit power	Up to 10 dBm	
Receiver sensibility	> - 104 dBm	
Modulation (Rx & Tx)	2-GFSK / 50 kHz	
Data bit rate (Rx & Tx)	100 kbps on air	
Antenna peak gain	0 dBi (omnidirectionnal)	
Outputs	Ethernet Analog 0 – 3.3V RS-232 & -485 on demand Interface with QINTEQ PWT-04 2.45 GHz power transmitter	
DAC resolution	12 bits	
ADC resolution	24 bits	
Power consumption	13 W	
Power supply	12 VDC / 2A (included)	
Mounting	4x metallic holes $\varnothing = 5.2$ mm	
Dimensions	160 mm x 132 mm x 35 mm	
Operational environment	Temperature - 20 °C / 50 °C Humidity 90% RH max, non condensing	
Storage Temp.	- 40 °C / 85 °C	
Weight	280 g	
Protection	IP20	
Color	Black	