

# 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

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868.320 MHz operating frequency

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

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Multiple outputs: Ethernet, Analog, RS232

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Integrated HTML5 compatible web server

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Data rates up to 100 kbps for standard module

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RoHS compliant

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CE certified

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## DTR-868

### Characteristics

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