PowerOne™ 868 MHz terminals are a complete ETSI certified RF solution for long-range reliable wireless data transmission.

With a line-of-sight range of 16,000 m and featuring the powerful S-ONE embedded firmware, these 500 mW terminals bring high efficiency to wireless applications such as rural and urban tele-metry, GPS data transmission for localization & fleet management, urban display monitoring, weather stations control and industrial control and are compatible with Profibus, Modbus, and Unitelway protocols.

PowerOne™ terminals are available in a metallic IP65 or IP67 casing, with fixed or removable quarter antenna, with a power supply range of 6-40 V, support RS232/RS485/RS422 serial interfaces, and provide integrated or external I/O copy management.

Performance
- Range: 16,000 m
- Output Power (adjustable): 25 to 500 mW, 14 to 27 dBm
- Serial Data Rate: Up to 115.2 Kbps
- Radio Data Rate: 9.6 Kbps
- Sensitivity (BER < 10^-3): -115 dBm (at 9.6 Kbps)

Power Requirements
- Power Supply: 6 - 40 V
- Terminal Consumption at 12 V: Rx: 40 mA
  Tx: 210 mA
  Std-by: 15 μA

Physical Properties
- IP65 casing: 159 x 85 x 35 mm (without antenna), weight 450g
- IP67 casing: 187 x 80 x 60 mm (without antenna), weight 750g
- Temperature: -20°C to +55°C

Networking
- Frequency: 869.4 - 869.65 MHz
- Channels: 10
- Modulation: GMSK
- Serial Interface: RS232, RS485, RS422
- Hayes Mode: Yes
- Transparent Mode: Yes
- ACK Mode: Yes
- Addressed Mode: Yes
- Client/Server Mode: Yes
- Repeater Mode: Yes
- Mesh Network: No
- I/O Copy: Yes**
- Listen Before Talk: Optional

Order-No.
Please contact your Telit representative for order codes and further information.
Optional Features

- PowerOne™ 868 MHz terminals are available in:
  - (a) IP65 casing with fixed antenna
  - (b) IP65 casing with removable antenna
  - (c) IP67 casing with removable antenna
  - (d) IP67 casing with removable antenna and integrated I/O