

Orsis LDC

Local Data Concentrator

The Orsis LDC has been designed to communicate with the Orsis range of multi-utility loggers and meters via RF (radio frequency) and either a GPRS or ethernet secure VPN tunnel to gather and transmit data to Orsis Energize.

The communications path is two-way, enabling remote configuration of the meters and loggers in terms of data latency and frequency. The Orsis LDC has remote upgrade capability and enables selective GPRS network connectivity.

The Orsis LDC can support up to 100 wireless connections and 9 directly connected devices. This can considerably cut both capex and opex costs by reducing the number of communication devices required.



Features

- ✓ Secure 433 MHz radio communications
- ✓ Secure 900/1800 MHz GPRS remote communications
- ✓ Resilient communication paths
- ✓ 2-way communications
- ✓ Connect up to 100 wireless devices
- ✓ Connect up to 9 directly connected devices
- ✓ Triple DES data encryption

Ready to get started?

Start your journey today

Orsis

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Sales
sales@orsis.co.uk

Phone
01423 537000



Technical Information

| | |
|--|----------------------------------|
| Antenna Impedance | 50Ω |
| Data Transmission Rate | 300bps ~ 115200 bps |
| Antenna Gain | 7dBi |
| Radio Frequency Power | 10mW |
| Frequency Scope | 900 MHz / 1800 MHz |
| Data Transmission Rate | 450kbps ~ 153.6 kbps |
| UDP/TCP data transmission protocol supporting GSM SMS (Short Message Service) function | |
| Radio Frequency Power: Grade 4 (2W @ 900 MHz) Grade 1 (1W @ 1800 MHz) | |
| Normal Working Voltage | 100V ~ 240V |
| Consumption Power | <8VA |
| Temperature Range | -10°C ~ +55°C |
| Humidity Range | 0%~ 95% |
| Secure communications | |
| Remote configuration and Software Upgrades | |
| Dimensions | 181mm (H) x 131mm (W) x 52mm (D) |
| Weight | 1500 grams |

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