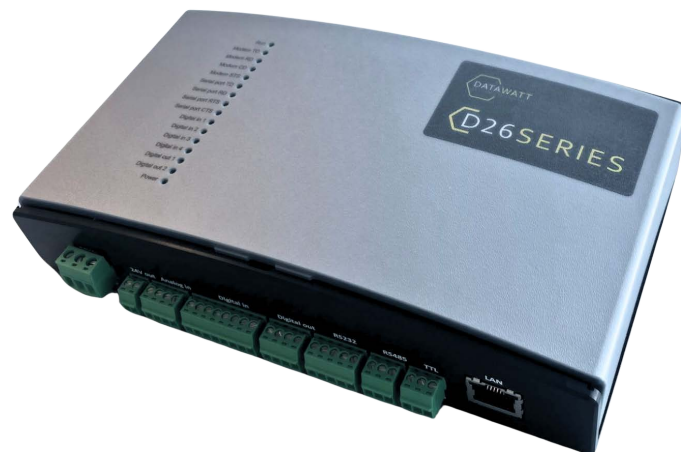


## D26 SERIES

# Low-power data logger for remote monitoring, data logging, and alarming with seamless communication

With decades of expertise in telemetry, Ovarro's D26 sets a new benchmark for efficient remote monitoring, data logging, and control. Designed for low-power operation, it is ideal for applications requiring battery-powered logging, small asset monitoring, and real-time data acquisition.



The D26 maximizes reliability by storing data locally, reducing energy consumption and minimizing communication costs. It supports up to 192 internal I/Os, logging state changes, threshold breaches, and periodic measurements with configurable intervals ranging from one minute to one year. With 512kB internal memory (storing 32,000 measurement values) and optional external SD storage (up to 2GB), the D26 ensures robust historical data retention. Each record is timestamped with precision, synchronized via IEC communication protocols or an internal GPS receiver, ensuring highly accurate event tracking.

### FEATURES & BENEFITS AT A GLANCE:



- Automatic protocol-driven time synchronization



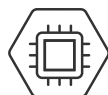
- Built-in GPS synchronization for accurate time and location tracking (Optional)



- Connector Options: 1x Power supply  
2x Analog input 4...20mA / 4x Digital input/ 2x Digital output / 1x Serial port: RS232, RS485 or TTL input / 1x Ethernet (10/100)  
(Extend with 8x Digital input)  
1x Antenna SMA female



- Supports multiple communication options: 4G/SMS, FTP, IEC60870-5-104, IEC6205621, Modbus RTU, Modbus, TCP/IP, Modbus ASCII



- Wall and DIN rail EN50022 (DIN35) / other housings on request



- External Lithium Thionyl Chloride (non-rechargeable) Batteries . 14,4VDC 13Ah or 26Ah or 39Ah. Shelf Life: 10-15 years at +20°C



- IEC 60870-104 telemetry protocol support for SCADA compatibility



- 2 Case options:
- Case Dimensions for 13Ah, 26Ah, and 39Ah Batteries: 170 x 271 x 90 mm (H x W x D)
- Case Dimensions Exclusively for 13Ah Battery: 125 x 231 x 90 mm (H x W x D)



## D26 SERIES

### FEATURES

#### Advanced Alarm Management

The D26 continuously monitors all digital and analog inputs, even in battery-powered mode. It can detect pulse counts, threshold exceedances, flow variations, battery voltage drops, and signal strength fluctuations, ensuring immediate alerting. Alarm messages are sent to SCADA, host systems, and mobile devices, providing real-time response capabilities.

#### Built for Seamless Communication

Integrating 4G-modem, Ethernet, RS485, and RS232 for simultaneous and independent data exchange. It acts as a protocol gateway, converting data from IEDs (flow meters, heat meters, gas meters, transmitters) into IEC60870-104 telemetry protocols, ensuring compatibility with SCADA and industrial control systems. The optional GPS receiver enables automatic positioning and time synchronization.

#### Ultra-Low Power for Remote Applications

The D26 achieves exceptionally low power consumption using the latest energy-efficient components and dynamic clock frequency adjustments. In sleep mode, power usage drops to just 175µA, allowing up to 8 years of battery life from a single battery pack. A dedicated digital interface ensures efficient operation of low-power sensors such as water pressure monitors.

### TYPICAL APPLICATIONS

The D26 is an ideal logging RTU for monitoring and control applications, including:

- Controller for single pump pumping stations
- Low-Power Controller for solar powered barriers
- Battery powered logger for pulse meters
- Logger for Intelligent Electronic Devices (IEDs)
- Guarding unit for power grid stations
- Flood light guarding for billboards
- Survey gas and electricity networks

### CONFIGURATION AND USER INTERFACE

The D26 logging RTU offers a flexible and user-friendly configuration process, allowing users to remotely or locally adjust settings, monitor performance, and update firmware. Its LED indicators, and multiple software tools provide a seamless and intuitive interface for managing telemetry, logging and alarming applications.

### SUITABLE APPLICATIONS:



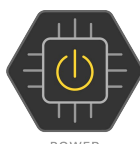
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OIL & GAS



PROCESS  
INDUSTRY



POWER

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