

## Overview

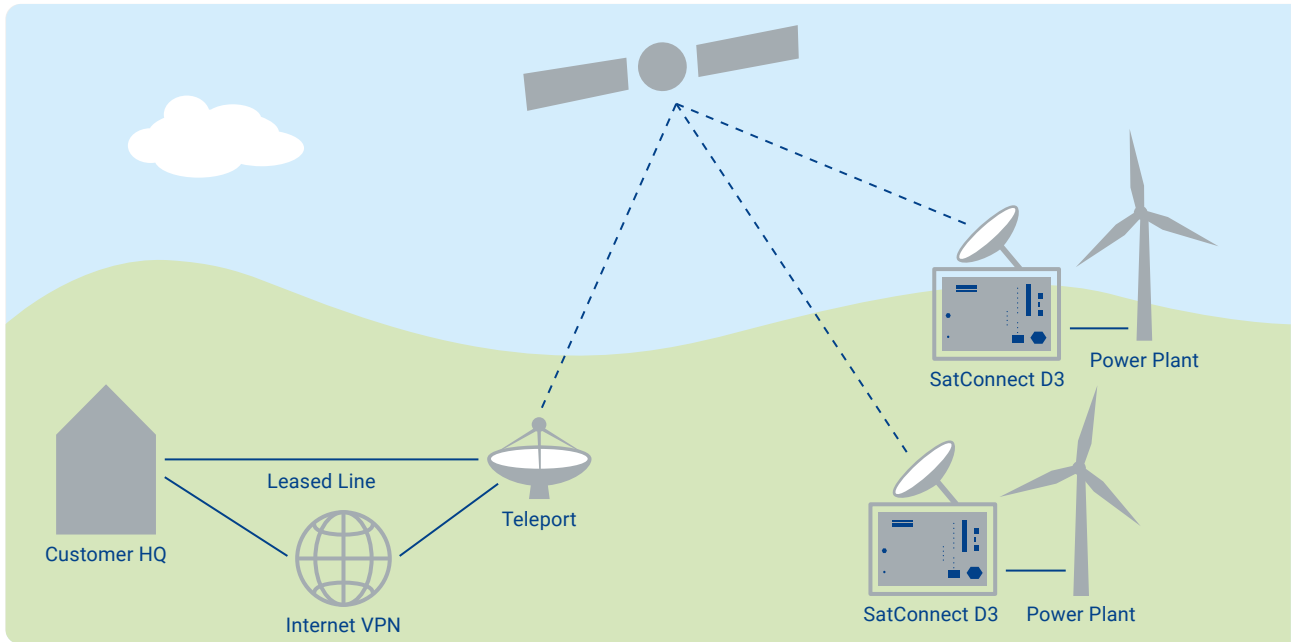


Photo: Andreas Zierhut

**In response of the increased requirements for security and stability, EuroSkyPark took the challenge to develop a new, improved satellite router. Based on our experience, but also considering new features and possibilities, the new SatConnect models integrate all necessary components for a stable, yet highly configurable system.**

As with its predecessor, the SatConnect D3 is used for establishing bidirectional satellite links for SCADA communication. Locations such as wind or solar power plants, substations, gas pipelines, or other technical facilities can be monitored and controlled remotely. The system consists of two parts, the indoor and the outdoor unit. The outdoor unit comprises a satellite dish (default diameter between 74 cm and 120 cm) and an attached bidirectional LNB (2W or 3W), connected to the SatConnect via coaxial cables. In the newest version for 2024, the SatConnect also supports LTE WAN connections. The SatConnect D3 continues to work with IEC 60870-5-104 connections (TCP/IP) and offers high flexibility with a wide range of configuration options. It can now handle bandwidths up to 200 Mbps and works

in conjunction with the Connect450 when needed. Additionally, many detailed improvements have been made to further enhance user experience and performance. It supports secure remote access through state-of-the-art Virtual Private Networking and includes a stateful firewall that can be tailored to meet strict security policies. The enhanced monitoring and diagnostic capabilities facilitate efficient troubleshooting within the highly complex network structures of our customers. SL-IMB, a new security component, specially designed for all our SatConnect models, facilitates event-based automatic rebooting of the SatConnect and/or external devices. An active overheating protection (temperature-controlled fan) ensures faultless operation even in harsh environment.



## Monitoring | Operating | Controlling

The typical application is the integration of remote sites into the corporate network.

ID	DOWN_DATE	UP_DATE	LAST_UPDATE	BEAM	COUNTRY	IP	Lat	Long	COMMENT
12.55	12.1	2024-01-15 10:30:00	00	DE	000.000.000.000				
9.34	12.1	2024-01-02 10:00:00	00	DE	000.000.000.000				
12.55	12	2024-01-04 14:45:00	00	DE	000.000.000.000				2024-01-02 12:34:30 (Maintenance)
9.4	9.9	2024-01-02 10:15:00	00	DE	000.000.000.000				
7.86	10.1	2024-04-02 07:15:00	00	DE	000.000.000.000				
10.18	11.4	2024-01-02 10:15:00	00	DE	000.000.000.000				
11.33	8.5	2024-01-02 10:00:00	00	DE	000.000.000.000				
9.58	10.9	2024-01-02 10:00:00	00	DE	000.000.000.000				
10.91	9.8	2024-01-02 10:15:00	00	DE	000.000.000.000				
11.47	8.9	2024-01-02 10:15:00	00	DE	000.000.000.000				
10.88	11.4	2024-01-02 10:15:00	00	DE	000.000.000.000				
11.08	10.1	2024-01-02 10:15:00	00	DE	000.000.000.000				
11.74	11.9	2024-01-02 10:15:00	00	DE	000.000.000.000				
12.13	11.8	2024-01-02 10:15:00	00	DE	000.000.000.000				
10.34	10.3	2024-01-02 10:15:01	00	DE	000.000.000.000				
11.97	9	2024-01-02 10:15:00	00	DE	000.000.000.000				

Terminal:

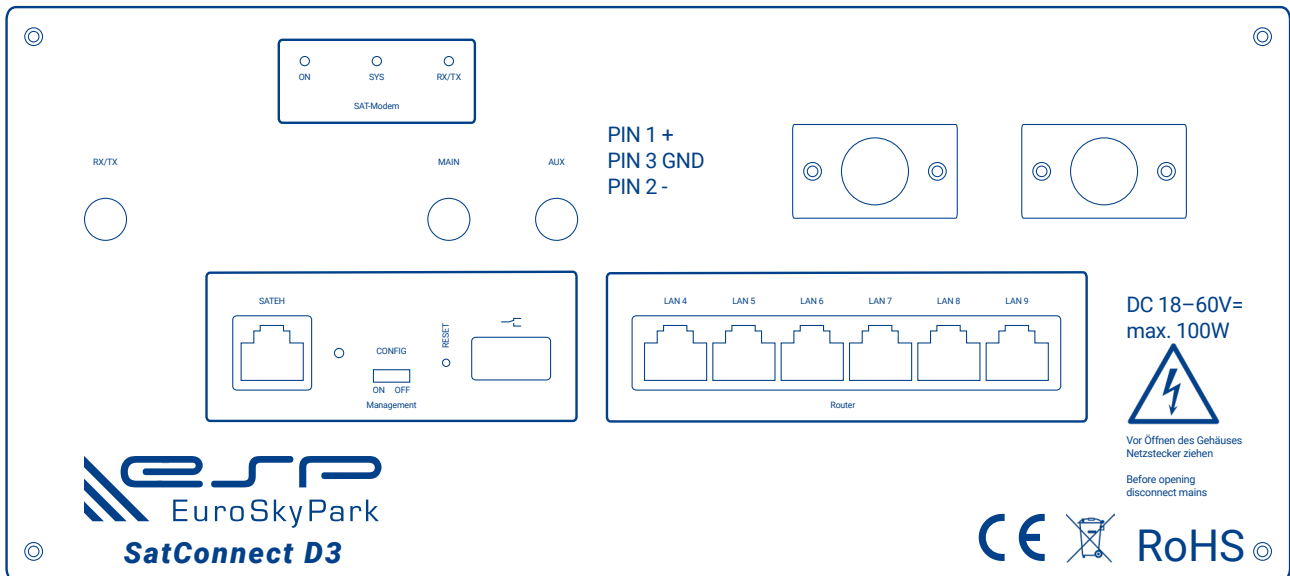
Account | Charts | Comments

Zoom: 1d | 3d | 7d | 15d | 30d | 90d | 180d | 360d

Clear status of the satellite terminals

Accurate details of data transfer rates

Live weather data monitoring



## Interfaces Front

- 3 Modem LEDs
- SAT-ETH port
- Configuration Switch
- Reset button
- SL - IMB (Intelligent Management Board) for optimized network performance

## Technical Data

### Power supply

- Redundant DC
- 18–60 V DC, Power max. 100 W

### Interfaces

- 6 RJ-45 ethernet ports, LAN4–LAN9
- any port configurable as additional WAN port for backup connection, default: LAN9
- RX/TX connection for satellite antenna (F-Type)
- LTE SMA connection for for LTE Cat. 4 or LTE/450MHZ Cat. 1

### Dimensions and Environmental

- DIN mount 265 x 170 x 120 mm
- Weight 4,8 kg
- Operating Range 0°C–50°C, storage temperature -20°C–65°C
- Humidity range <80 %, non-condensing

### Scope of Delivery

- 30m coaxial cable
- Coaxial connector
- LTE/450Mhz antenna with 5m SMA cable
- 74cm satellite antenna

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## Security

### VPN

- Supports various VPN technologies (IPsec, Wireguard, OpenVPN)
- Encryption parameters can be configured according to custom policies

### Stateful Firewall

- Allows detailed and customized packet filtering policies
- Features connection tracking and dynamic firewall rules

### Logging

- Logging messages can be sent to customer SIEM

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**Note:** In normal operation mode (default, LAN ports active), the Config Switch is "Off". There are no other user serviceable parts. The

configuration shall be done only by EuroSkyPark or by qualified personnel with authorization from EuroSkyPark, on site or remotely.

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