

Overview



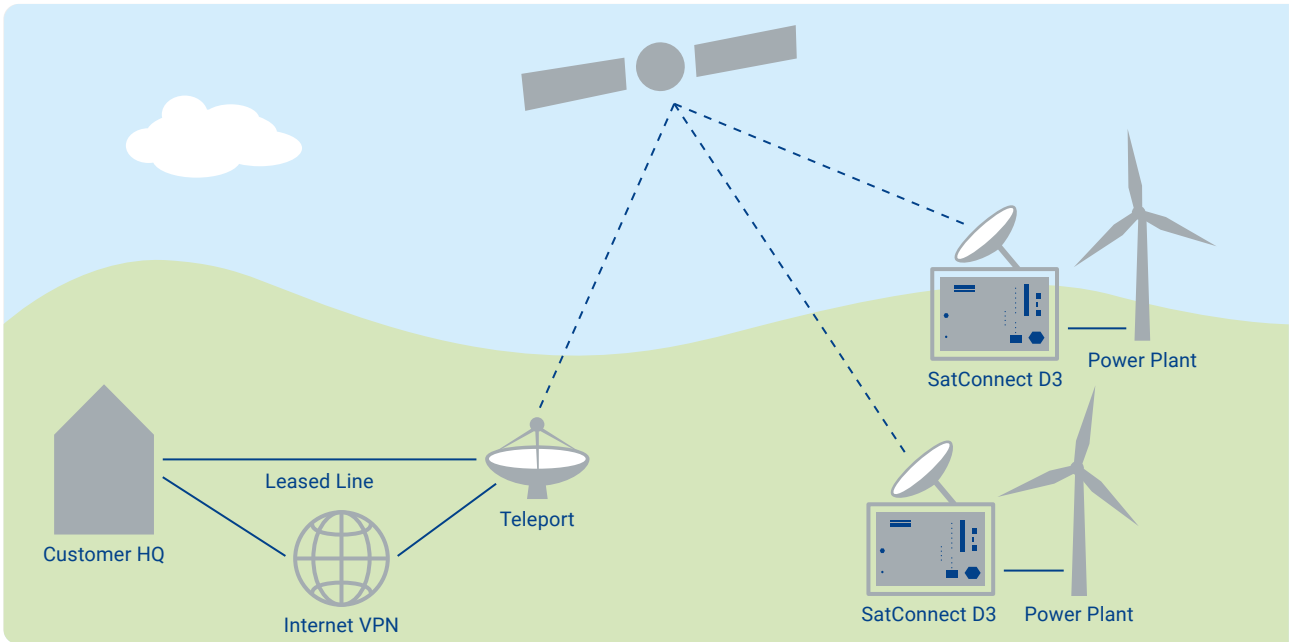
Photo: Andreas Zierhut

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 its predecessor, the SatConnect is used for establishing bidirectional satellite links for SCADA communication. Locations like wind or solar power plants, substations, gas pipelines or any other technical facilities can be monitored and controlled remotely. The system consists of two parts, the Indoor and the Outdoor unit. The outdoor unit consists of the satellite dish (default diameter 70 cm, or 120 cm) and the attached bidirectional LNB (2W or 3W), connected to the SatConnect via coaxial cables. In the newest Version for 2024 the SatConnect also support LTE WAN connections. The SatConnect D3 supports IEC 60870-5-104 connections (TCP/IP) widely used in SCADA environments. The router has been designed for

high flexibility and offers a large variety of configuration options. Virtual Private Networking according to state-of-the-art technology and standards is possible.

The enhanced monitoring and diagnostic capabilities facilitate an efficient troubleshooting within the highly complex network structures of our customers. A new watchdog component (SL-IMB), specially redesigned 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 environments.



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	LatLon	COMMENT
10.04	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 12:34:38 (Maintenance)
8.4	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			
11.09	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			
10.24	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 1m 3m 6m 1y All

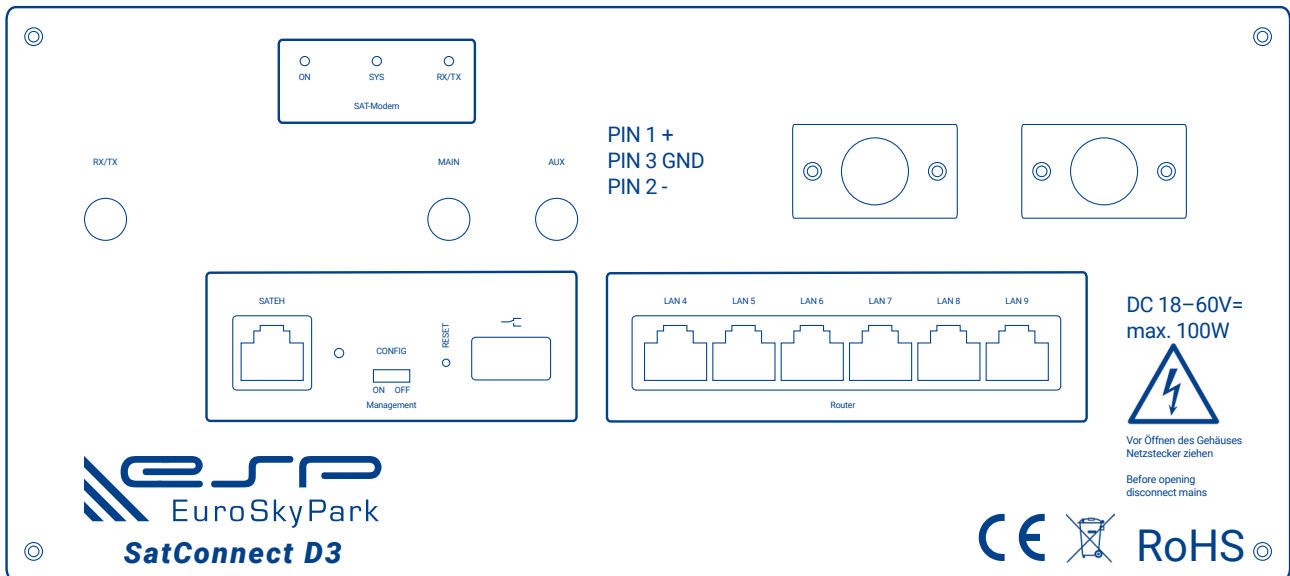
The chart displays data transfer rates for four different terminals over a period of time. The x-axis represents time, and the y-axis represents data transfer rates. The legend indicates: UPSTREAM DATA (red), DOWNSTREAM DATA (blue), ALL UPSTREAM DATA (green), and ALL DOWNSTREAM DATA (purple).

The map shows a geographical area with various weather data points. The markers are colored based on weather conditions, with green indicating clear weather, yellow for light rain, and red for heavy rain or storms. The map includes labels for various cities and regions.

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

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.