

**ROHDE & SCHWARZ**

Make ideas real



# R&S®SITLine ETH-XL NETWORK ENCRYPTION UP TO 2 x 100 GBIT/S



Our network encryptors protect data from espionage and manipulation, and thus form the cornerstone for secure cross-site communications in layer 2 and layer 3 networks.

With the new **R&S®SITLine ETH-XL** we extend our layer 2 product portfolio in the highspeed range by two devices. The devices are available with **100 Gbit/s** and **2 x 100 Gbit/s** bandwidths and are ideally suited to the use in central locations of critical infrastructures, in data centers, and as backbone of large networks.

By this, R&S®SITLine ETH-XL enables the development of future-proof networks for authorities and companies.

The hardware-based encryption allows fast processing and barely noticeable delays thanks to extremely low latencies of 4 µs. Thanks to a thorough selection of high-quality components and the redundant design of fans and power supply a MTBF of 68,000 hours is achieved. This ensures not only the confidentiality and integrity of your data, but also the availability of your networks.



## Mechanical features:

- ▶ High MTBF of 68,000 h (78,500 h with single port variant)
- ▶ Failsafe:  
Redundant fans & power supply
- ▶ Extremely space-saving with only one RU
- ▶ High bandwidth: Up to 2 x 100 Gbit/s

## Functional features:

- ▶ Maximal bandwidth utilization and minimal overhead
- ▶ Fast processing: <4 µs latency
- ▶ Highly available and secure key management
- ▶ Easy to operate: Intuitive central management

# OUR BENEFITS:



More than **30 years of crypto competence**



**BSI approvals** (VS-NfD, EU & NATO RESTRICTED)



Reliable and fast  
**manufacturer support from Germany**

**You have questions?**





We look forward  
to receiving your email:  
[cybersecurity@rohde-schwarz.com](mailto:cybersecurity@rohde-schwarz.com)  
Or call us: +49 30 65884-222

Our central management system **R&S®Trusted Objects Manager NE** ensures easy installation and administration, and its intuitive usability allows to integrate it into existing system landscapes.



- Comprehensive management of different device families
- Intuitive user guidance
- Dashboard and notification system
- Bulk capability for large installations
- Redundancy via second manager in standby mode
- Intelligent network monitoring

## NETWORK ENCRYPTOR – R&S®SITLINE ETH-XL

	R&S®SITLine ETH-XL 100G	R&S®SITLine ETH-XL 2x100G
		
Number of lines	Single-port variant	Multi Port Variante
Throughput	1 x 100 Gbit/s	2 x 100 Gbit/s
Connector / media	Data: optical, QSFP 28, optical/electrical management: SFP	
Cryptography	ECC with 384 bit key, AES with 256 bit key, True Random PTG.3	
Operating temperature	+5 °C to +40 °C	
Power supply	Redundant, hot swappable	
Ventilation	2 x case fans, hot swappable	
Size	Rack format (19", 1RU)	
MTBF (at 25 °C)	78,500 h	68,000 h

**Rohde & Schwarz Cybersecurity GmbH**  
Muehldorfstrasse 15 | 81671 Munich, Germany  
Info: +49 30 65884-222  
Email: [cybersecurity@rohde-schwarz.com](mailto:cybersecurity@rohde-schwarz.com)  
[www.rohde-schwarz.com/cybersecurity](http://www.rohde-schwarz.com/cybersecurity)

**Rohde & Schwarz GmbH & Co. KG**  
[www.rohde-schwarz.com](http://www.rohde-schwarz.com)

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