

Reliable Ethernet encryption everywhere

R&S®SITLine ETH50: robust and universal

Ethernet is an affordable and easy-to-use data transmission technology now common in wide area networks. One problem with WANs, though, is that they are exposed to the risk of manipulation. The solution: a secure, universal Ethernet encryption system.

The R&S®SITLine ETH50 is an exceptionally robust, compact (7.6") Ethernet encryptor, and is the only device of its kind on the market today that has been approved by Germany's Federal Office for Information Security (BSI). With its extended operating temperature range (-20 °C to +70 °C) and fanless design, the encryptor can be used not just in non-climatized server rooms, but also on desktops and in vehicles. Featuring the most advanced cryptographic methods, R&S®SITLine ETH50 provides outstanding security and is BSI-approved for German restricted "VS-NfD" and for NATO restricted classification levels. It also allows the creation of user groups to manage network and security settings and ensures that only authorized individuals can access classified data. In case of emergency, the encryptor has a clear button to delete all security-relevant data on the device.



You act. We protect.
Encryption & IT security
by Rohde & Schwarz SIT.

Cost-efficient and flexible

Rohde&Schwarz SIT has designed the R&S®SITLine ETH50 to be highly efficient, secure and robust: It has been optimized to keep power consumption and system costs down. It also has a special security token that allows users to put the device into operation quickly and to replace it easily if it needs to be returned for servicing. To ensure that business and government agency investments are protected, the R&S®SITLine ETH50 has been tested by the European Advanced Networking Test Center (EANTC) and has been verified as MEF-compliant by the Metro Ethernet Forum. This means that the device can be easily deployed in complex networks. Its scalable performance allows it to adapt flexibly to different sets of operating requirements.

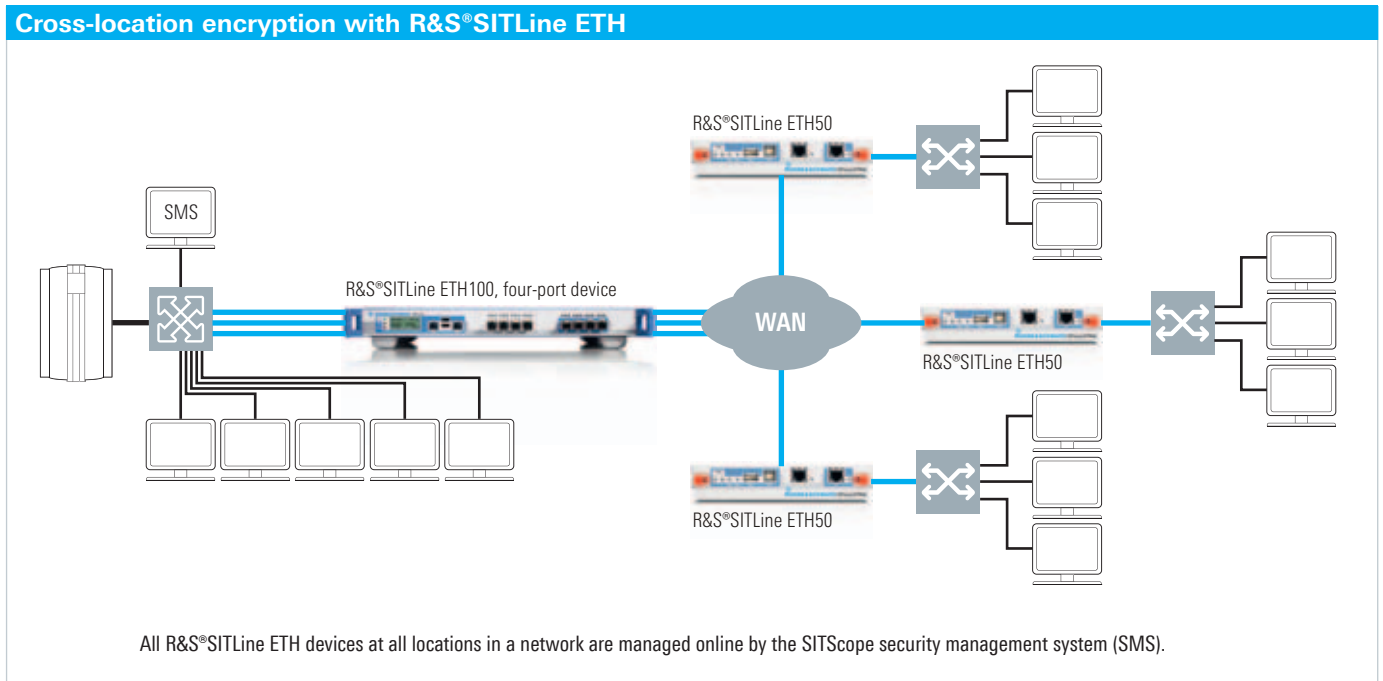
The universal solution for lower-speed networks

The R&S®SITLine ETH50 and its special feature set make it a uniquely well-suited solution for applications that call for exceptionally strong security in challenging operating conditions – for instance, when it comes to securing con-

fidential communications on site or between locations, protecting radio relay and satellite links, safeguarding the integrity of data running over public networks, or connecting mobile units securely. Designed to cover the lower end of the performance range, the device is available in three variants (25 Mbit/s, 50 Mbit/s and 100 Mbit/s).

Full network encryption with the R&S®SITLine ETH family

The R&S®SITLine ETH family of Ethernet encryptors includes devices in performance classes from 25 Mbit/s up to 1 Gbit/s. They utilize the most advanced cryptographic methods and standards (elliptic curves, AES and x.509) and are flexible to deploy in simple and complex network architectures. Their capabilities include securing individual links (point-to-point), star topologies (point-to-multipoint) and fully meshed networks (multipoint-to-multipoint). By avoiding additional overhead, they ensure that maximum bandwidth efficiency can be achieved.



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