LANCOM XS-5110F: New fiber aggregation switch with optional cloud management

07/29/2020

High-performance basis for data-hungry networks

Press Release 2020-623

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Aachen, July 29, 2020—The R&S®LANCOM XS-5110F is the first fiber aggregation switch available from the German network infrastructure supplier Rohde & Schwarz Networks and Cybersecurity. This device of the 10-Gbps class is an efficient, high-performance basis for data-hungry applications and the ever-increasing number of clients that operate with 1 Gbps or more on the access switch level. The switch is optionally managed from the cloud to support software-defined networking for highly automated commissioning. It is ideal for small networks in businesses and administrative institutions or for digitalization in schools.

As a managed 10G fiber aggregation switch, the R&S®LANCOM XS-5110F features 8 fiber-optic SFP+ ports and 2 additional multi-gigabit (1/2.5/5/10G) Ethernet ports to act as an upper-layer instance for further access switches or NAS/server components in smaller, distributed networks. Depending on the size of the installation, it integrates into the network topology either at the top level facing the WAN (2-tier design) or between core switches and access switches (3-tier design). Stacking is implemented with SFP+ downlink ports.

Configurable access control and security

The R&S®LANCOM XS-5110F offers numerous security and management features: IEEE 802.1X, (port-, single-, multi- and MAC-based), access control lists (ACLs), as well as VLAN tagging as per IEEE 802.1q. Furthermore, the incoming and outgoing data traffic is reliably prioritized with a wide range of Quality-of-Service (QoS) features. Secure communication protocols such as SSH, SSL and SNMPv3 enable professional remote network management. The switch also supports TACACS+ for authentication, authorization and accounting. Dual-stack implementation allow the switch to operate in pure IPv4, pure IPv6, or mixed networks.

Static routing & DHCP server

In addition to the classical distribution functions of a switch, the R&S®LANCOM XS-5110F can handle layer-3 tasks to offer, for example, a DHCP server or to define fixed network routes across one or more network segments. This relieves the load on the router or firewall, increases the speed of data exchange and frees up additional capacity for external data traffic.

Highly efficient management via SDN & cloud

The switch can be managed using the web GUI, from the command line, or optionally via the R&S®LANCOM Management Cloud (R&S®LMC). In combination with the LMC, network administrators benefit from highly efficient cloud management by software-defined networking (SDN). All the necessary network configurations including VLANs are automatically assigned and coordinated across locations. With a click of the mouse, the rollout and updates are executed at the same time.

The R&S®LANCOM XS-5110F is available now at a price of EUR 2,990 excluding VAT. The standard warranty lasts 5 years and covers all components.

The optional 10G SFP-SX module R&S®LANCOM SFP-SX-LC10 costs EUR 329, the 10G-LX version EUR 379. A 1G R&S®LANCOM SFP-SX-LC1 module is available for EUR 119, the LX variant R&S®LANCOM SFP-LX-LC1 (1G) costs EUR 199. A R&S®LANCOM SFP-DAC10 1m cable costs EUR 109. (All prices excluding VAT).

About LANCOM Systems:

Rohde & Schwarz Networks and Cybersecurity GmbH is a leading European manufacturer of network and security solutions for business and the public sector. The portfolio includes hardware (WAN, LAN, WLAN, firewalls), virtual network components, and cloud-based software-defined networking (SDN).

Software and hardware development as well as manufacturing take place mainly in Germany, as does the hosting of the network management. There is a strong focus on trustworthiness and security. The company is committed to products that are free from backdoors and is a holder of the trust mark “IT Security Made in Germany” as initiated by the German Ministry of Economics.

Rohde & Schwarz Networks and Cybersecurity was founded in 2002 and has its headquarters in Würselen near Aachen, Germany. Customers include SMEs, government agencies, institutions, and major corporations from all over the world. Since summer 2018, the company has been an independent subsidiary of the Munich-based technology group Rohde & Schwarz.

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