Three new fiber aggregation switches with optional cloud management

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LANCOM enters new switch market segment

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Aachen, May 25, 2020—German network infrastructure supplier Rohde & Schwarz Networks and Cybersecurity for the first time expands its range of switches into the aggregation level with three high-performance fiber aggregation switches. Devices in the 10-Gbps class efficiently interconnect access switches and form the 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. All devices are optionally managed from the cloud with its software-defined networking for highly automated commissioning. The devices are ideal for networks in companies, administration or schools.

The R&S®LANCOM Aggregation Switch portfolio consists initially of 3 models from the XS switch family. The stackable fiber switches offer different numbers of 10-Gbps downlink ports and different levels of performance from their uplink ports or stacking ports.

The managed 10G fiber aggregation switch R&S®LANCOM XS-5110F features 8 fiber-optic SFP+ ports and 2 additional multi-gigabit (10/5/2.5/1G) Ethernet ports to act as an upper-layer instance for further access switches or NAS/server components in smaller, distributed networks. Stacking is implemented with SFP+ downlink ports.

With the LANCOM XS-5116QF, LANCOM for the first time offers a 10G stackable managed fiber aggregation switch for medium-sized, distributed networks with high performance requirements. A total of 14 SFP+ ports (10G) are the high-performance aggregation basis for lower-layer access switches, 2 of which are designed as multi-gigabit Ethernet combo ports.

An extremely broadband uplink is formed by the two additional QSFP+ ports (40G). Resilient operations are implemented with redundant switch or network capabilities that come with the stacking functionality implemented via uplink ports as well as the hot-swappable power supplies that can be replaced during operation.

The new top model R&S®LANCOM XS-6128QF is a 10G stackable managed fiber aggregation switch for large, distributed enterprise networks with virtualized applications, which has been optimized for efficient operation and high availability. With a total of 20 SFP+ ports (10G), 4 of which are multi-gigabit Ethernet combo ports, this switch operates as a high-performance distribution platform for lower-layer access switches. A massive backhaul capacity is available either via 2 QSFP+ (40G) or 4 SFP28 (25G) high-speed uplink ports. Non-blocking stacking is implemented by 4 dedicated SFP-DD (50G) backplane stacking ports. Optional redundant power supply units that can be exchanged during operations and a hot-swappable fan system ensure maximum reliability.

Security & optional cloud management

All ports, including the stacking ports, are natively available and based on industry standards. This allows the new XS series of aggregation switches to offer maximum versatility and interoperability. In terms of security, the switches score points, among other things, with a secure-boot function that offers hardware-side protection against secretly infiltrated malware.

When it comes to management, the switches are also highly versatile. They can be managed using the web GUI, from the command line, or optionally via the R&S®LANCOM Management Cloud. The latter provides highly automated, cloud-based management using the latest software-defined networking technologies (SD-LAN) as well as cloud-enabled CLI management.

The R&S®LANCOM XS-5110F is available from July for EUR 2,990 (excl. VAT) and the R&S®LANCOM XS-5116QF follows in August for EUR 4,990 (excl. VAT). The top model R&S®LANCOM XS-6128QF is available from October priced at EUR 12,990 (excl. VAT).

For more information, please visit: www.lancom-systems.com/10g-aggregation-switches

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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