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Upper-layer instance in distributed networks

LANCOM XS-5116QF: Expansion of the aggregation switch portfolio continues

Aachen, August 31, 2020—The LANCOM XS-5116QF is a further fiber aggregation switch available from the German network infrastructure supplier LANCOM Systems. With 14 SFP+ ports for aggregating access switches and two QSFP+ uplink ports, the 10G switch offers fiber-optic performance as an upper-layer instance in medium-sized, distributed networks with high data throughputs. Optionally managed from the cloud, it supports software-defined networking for dynamic and highly automated commissioning. Professional redundancy features and two hot-swappable power supply units ensure fail-safe operation.

With its 14 fiber-optic SFP+ ports, the **LANCOM XS-5116QF** operates as a high-performance aggregation instance for establishing switch structures. Two of these SFP+ ports are implemented as modern combo multi-gigabit (1/2.5/5/10G) Ethernet ports. Two high-bandwidth QSFP+ ports (40G) serve as uplinks, which can alternatively be used for backplane stacking. Depending on the size of the installation, this aggregation switch integrates into the network topology either at the top level facing the WAN as a collapsed backbone (2-tier design) or as a distribution switch between core and access switches (3-tier design).

High operational reliability

Maximum operational reliability is assured as the switch features two integrated hot-swappable power supply units. This allows a quick and uninterrupted replacement of defective power supply units. Front-to-back airflow design also improves cooling in 19-inch racks and extends the product lifetime. LANCOM fail-

safe stacking also helps with the implementation of high-availability, high-performance infrastructures.

Configurable access control and security

The **LANCOM XS-5116QF** 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 LANCOM XS-5116QF 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. The switch is ready for policy-based dynamic routing. This is activated by a software upgrade option, which will be available soon.

Highly efficient management via SDN & cloud

The switch can be managed using the web GUI, from the command line, or optionally via the LANCOM Management Cloud (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 LANCOM XS-5116QF is available now at a price of EUR 4,990 excluding VAT. The standard warranty lasts 5 years and covers all components.

The optional 10G SFP-SX module LANCOM SFP-SX-LC10 costs EUR 329, the 10G-LX version EUR 379. A 1G LANCOM SFP-SX-LC1 module is available for EUR 119, the LX variant LANCOM SFP-LX-LC1 (1G) costs EUR 199. A 40G QSFP+ module LANCOM SFP-SR-MPO40 for EUR 599. A LANCOM SFP-DAC10 1m cable costs EUR 109. The optional PSU LANCOM SPSU-250 is available for EUR 399. (All prices excluding VAT).

About LANCOM Systems:

LANCOM Systems 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.

LANCOM Systems 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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