LANCOM presents 5G cellular high-end routers

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High bandwidth, high availability routers with optional SD-WAN

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Aachen, December 15, 2021—The German network-infrastructure and security supplier Rohde & Schwarz Networks and Cybersecurity is expanding its range of routers. The new high-speed business routers LANCOM 1926VAG-5G and LANCOM 1900EF-5G for the first time combine 5G mobile communications with state-of-the-art SD-WAN. They alternatively operate on a G.fast or fiber-optic gigabit connection, or with a cable modem. The 5G module guarantees maximum availability for both routers. The routers are optionally managed highly automatically by means of software-defined networking (SDN). They are ideal for installations with high bandwidth requirements at medium-sized companies, public institutions, or branch infrastructures.

With high speeds and low latency times, the new 5G standard supports a wide range of applications. The new high-end routers from LANCOM optionally use their 5G module as a backup in the event of failure of their wired access, or even as a high-performance stand-alone primary connection. They also offer improved bandwidths through load balancing on the network. They are ideal for temporary Internet connections, such as for seasonal pop-up stores, or for high-performance mobile access at construction sites. Extensive company premises in large-scale industrial scenarios are ideal for campus networking, i.e. closed cellular networks with their own 5G infrastructure. This “private 5G” guarantees exclusive access with maximum capacity, availability, and data security for business-critical data traffic.

The 5G module used in the new R&S®LANCOM routers also supports LTE in case a 5G network is not (yet) available on location. The prevalent 5G and LTE frequencies are supported, including the new 5G frequencies in the 3.5-GHz range and dynamic spectrum-sharing with 4G. This guarantees high-performance and stable connectivity for uninterrupted business operations both in today’s non-stand-alone 5G cellular networks and future stand-

alone 5G networks.

The LANCOM 1926VAG-5G is the first 5G router on the market with two integrated VDSL Super Vectoring modems for an overall 2 x 300 Mbps. Alternatively, it operates using one of the two modems at up to 1,000 Mbps on G.fast, or on fiber-optic connections by means of an SFP port. It also operates with any external DSL or cable modem via WAN Ethernet.

On the LAN side, four Gigabit switch ports provide a comprehensive range of connectivity options for network devices. Two ISDN and four analog interfaces ensure that existing telephony components seamlessly integrate into all-IP scenarios.

The LANCOM 1900EF-5G dispenses with physical telephony interfaces and, with its Gigabit Ethernet WAN ports, connects directly to high-speed fiber-optic networks and external modems.

For this model, too, LANCOM offers a number of optional SFP modules: The new R&S®LANCOM SFP-GPON-1 module enables direct fiber-optic connection to a GPON (Gigabit Passive Optical Network). The R&S®LANCOM SFP-AON-1 module supports the connection to an AON (Active Optical Network). Both modules save you the need for a separate provider modem, including of course the necessary cabling and power supply.

Secure home office connection via VPN

The LANCOM 5G routers use up to four Internet connections at the same time for maximum bandwidth and effective load balancing. By means of Advanced Routing and Forwarding (ARF) with up to 64 isolated and independently routed IP contexts, they efficiently route of all of the IP applications through a single central router while keeping the different communication channels securely separated from one another. The standard equipment of 25 IPsec VPN channels (optionally 100) provides reliable encryption to connect branches or home offices securely to the corporate network.

Radically simple: Configuration by SD-WAN

When combined with the R&S®LANCOM Management Cloud (LMC), the new LANCOM 5G routers open the way to fully automated management: The software-defined WAN (SD-WAN) enables the automatic setup of secure VPN connections between sites, including network virtualization and backup: A few mouse clicks enable the VPN feature and select the required VLANs for each site. The laborious configuration of individual tunnel endpoints is no longer necessary.

The LANCOM 1926VAG-5G is available for EUR 2,199 (excl. VAT), the LANCOM 1900EF-5G for EUR 1,899 (excl. VAT). The fiber-optic module LANCOM SFP-GPON -1 is available for EUR 139 (excl. VAT), the AON version LANCOM SFP-AON -1 is available for EUR 99 (excl. VAT).

Pictures of the new LANCOM 5G routers are available for download here:

www.lancom-systems.com/newsroom/bilder-infografiken/

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.

LANCOM 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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