LANCOM presents new SD-WAN gateway series “LANCOM 1800 blackline”

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Aachen, August 07, 2023—LANCOM Systems presents the first two 1800-series SD-WAN gateways in the new “blackline” housing for high-availability VPN office and branch connectivity via DSL, fiber-optics, cable Internet via an external modem, and cellular networks. With the modern CPE housing, the German network and security supplier combines Gigabit performance with sustainable product design in a distinctive look. The launch of the series features two models: The R&S®LANCOM 1800VAW offers fast dual-band wireless LAN (Wi-Fi 6), Super Vectoring VDSL, and an optional fiber-optic connection (FTTH). The sister model R&S®LANCOM 1800VAW-4G provides a reliable Internet backup through additional 4G connectivity. Both gateways optionally offer a high degree of automated operation in an SD-WAN via the R&S®LANCOM Management Cloud.

Both devices feature an integrated VDSL Super Vectoring modem for up to 300 Mbps and can directly connect to a fiber-optic line (FTTH) using a separately available SFP module (GPON/AON). These devices also offer maximum flexibility for connecting to external modems via Gigabit Ethernet. The fast dual-band wireless LAN (Wi-Fi 6) module with 2x2 multi-user MIMO for the downlink and uplink reliably integrates wireless end devices into the network using the 5-GHz and 2.4-GHz bands simultaneously. Wi-Fi 6 technology achieves transmission rates of up to 1200 Mbps at 5 GHz and up to 575 Mbps at 2.4 GHz.

Secure connection of branches and mobile workstations

For maximum bandwidth and effective load balancing, all devices in the new LANCOM Gigabit router line can use up to four Internet connections concurrently. Up to 16 isolated and independently routed IP contexts in combination with Advanced Routing and Forwarding offer an elegant means of running all IP applications over a single router while at the same time keeping the various communications channels separate. The standard equipment of five IPsec VPN channels (optionally 25) provides strong encryption for the secure connection of branch offices and mobile workplaces for the protection of corporate data.

Innovative design: LANCOM 1800 blackline

The newly developed housing of the 1800 blackline series offers more than just a clean and clear design. Compared to the classic LANCOM CPE housing, it offers more space for a powerful platform and future product variants which, for example, offer VDSL, fiber optics, Wi-Fi, and 5G all at the same time. An innovative cooling concept ensures optimal heat dissipation and quiet operation.

Sustainability in focus

LANCOM considers the responsible use of resources to be hugely important. A clear goal in developing the blackline housing was to further improve eco-design aspects over the classic CPE housing throughout the entire life cycle—from the upstream value chain to the production and through to the end of life. For example, local production of the housing in the Netherlands and production of the router in Germany ensure that transport and procurement routes are short. The design is optimized for recycling as part of the circular economy.

Availability and prices

The R&S®LANCOM 1800VAW-4G is available for EUR 1,590 (excl. VAT), the R&S®LANCOM 1800VAW for EUR 1,090 (excl. VAT). The 1G fiber-optic module LANCOM SFP-AON -1 is available for EUR 119 (RRP excl. VAT), the GPON version LANCOM SFP-GPON -1 is available for EUR 159 (RRP excl. VAT).

Accessories

The **R&S®LANCOM CPE blackline Rack Mount** (EUR 139, RRP excl. VAT) offers flexible positioning of the device, as both a front-facing and rear-facing installation is possible. After

mounting, either the status LEDs on the front can be viewed or the interfaces on the back can be accessed easily.

The **R&S®LANCOM CPE blackline Rack Mount Plus** (EUR 249, RRP excl. VAT) guarantees easy handling and maximum convenience thanks to connectors that are redirected to the front. In this way, the status LEDs of the installed device can be read and, at the same time, the cabling can be conveniently checked and adjusted as required.

Further information is available on the LANCOM website: www.lancom-systems.com/blackline

The LANCOM blackline product video can be found here:

https://www.youtube.com/watch?v=LqFOjINEFNA

Pictures are available here: https://i13.mnm.is/anhang.aspx?ID=0ae287f87833131192

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 a wholly owned subsidiary of the Munich-based technology group Rohde & Schwarz.

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