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New R&S®LANCOM Router for professional site connectivity and uncompromising high availability

Aachen, Wednesday, June 17, 2014 - LANCOM Systems, the leading German manufacturer of networking solutions for the commercial and public sectors, adds to its line of 4G cellular routers. The new VDSL2/ADSL2+/4G router combo LANCOM 1781VA-4G features an internal 3G/4G/HSPA+ modem with dual SIM functionality. Two SIM-card slots allow for intelligent 3G/4G backups. For example, if one provider fails then the router can instantly switch to the alternative provider. The same applies to the usage of mobile data volumes. In cellular mode the router achieves up to 100 Mbps downstream and 50 Mbps upstream.

Its integrated multimode modem permits operation on all VDSL and ADSL connections as per Annex A, B, J, or M. Furthermore, router connections with VDSL vectoring offer up to 100

Mbps, and all-IP connections can also be used. With its combination of 3G/4G/HSPA+, VDSL2, ADSL2+ and VPN, the LANCOM 1781VA-4G is ideal for companies and branch offices, whose operations depend on a secure and highly available connection to the Internet, remote sites and the company headquarters. Equally, high-performance backup connections via VDSL, ADSL or LTE/4G (with dual SIM) can be set up for business-critical applications requiring up to 100 Mbps, such as for secure electronic payment in retail.

A green Gigabit Ethernet 4-port switch provides power-saving functions as per 802.3az for energy-efficient networks. The user-configurable ports can be used for LAN, WAN (up to 4x load balancing with further ADSL, SDSL, VDSL or cable modems), DMZ, VLAN, or monitoring. A high-speed USB 2.0 port powers USB media; it can be used to connect a network printer or storage media for configuration updates.

Flexibility through virtualization

The ARF (Advanced Routing and Forwarding) function of the LANCOM 1781VA-4G provides up to sixteen virtual networks, each with its own settings for DHCP, DNS, routing and firewall. ARF allows logically separate networks to be operated for different groups and applications on a single physical infrastructure. Thanks to the dual-stack implementation, the router operates in pure IPv4, pure IPv6, or in dual-stack mixed networks.

Security and backup included

The free management systems LANconfig and LANmonitor offer not only cost-effective remote maintenance of entire installations and useful setup wizards—such as the 1-Click-VPN wizard for the easy setup of VPN connections between LANCOM routers—but also real-time monitoring and logging. For comprehensive management and monitoring for installations of all sizes, the high-performance systems LANCOM Large Scale Monitor and LANCOM Large Scale Rollout are available for purchase. Comprehensive backup and high-availability functions guarantee smooth 24-hour operations.

Like all LANCOM routers, the 1781VA-4G is developed and manufactured in Germany and it uses LANCOM'S own operating system LCOS with its regular free updates.

The LANCOM 1781VA-4G is available from July. The device provides 5 VPN channels as standard. An optional extra upgrades this to 25 channels. Optional web content filtering can be enabled for up to 100 users.

Rohde & Schwarz Networks and Cybersecurity background:

Rohde & Schwarz Networks and Cybersecurity GmbH is the leading German manufacturer of reliable, innovative network solutions for business customers. LANCOM's two business units, VPN Network Connectivity and Wireless LAN, offer professional users secure, flexible infrastructure solutions for local-area and multi-site networks. The entire core product range is developed and manufactured in Germany. In addition, LANCOM also provides VPN solutions certified by the German Federal Office for Information Security (BSI) for the protection of particularly sensitive networks and critical infrastructures (EPCIP) against cyber attacks. Rohde & Schwarz Networks and Cybersecurity has its headquarters in Würselen near Aachen, Germany, and other offices are located throughout Europe. Customers include small and medium-sized enterprises, government agencies, institutions, and major corporations from Germany, Europe and increasingly worldwide. The enterprise is a partner in the Alliance for Cyber Security initiated by the BSI.

Your editorial staff contact:

Eckhart Traber

Rohde & Schwarz Networks and Cybersecurity GmbH

Tel: +49 (0)89 665 61 78 - 67

Fax: +49 (0)89 665 61 78 - 97

presse@lancom.de

www.lancom.eu

Sabine Haimerl

vibrio Kommunikationsmanagement Dr. Kausch GmbH

Tel: +49 (0)89 32151 - 869

Fax: +49 (0)89 32151 - 70

lancom@vibrio.de

www.vibrio.eu