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Aachen, June 11, 2013 - LANCOM Systems, the leading German manufacturer of professional solutions for VPN network connectivity and wireless LAN infrastructure, presents the LANCOM 1781VAW, a new universal router for networking and wireless LAN provision for company sites.

This universal professional VPN router with integrated VDSL2 and ADSL2+ modem and professional WLAN is the ideal device for any industry or area of business. What's more, the LANCOM 1781VAW is "vectoring ready": By means of a future free update to the operating system LCOS, it supports VDSL2-vectoring technology for genuinely doubled VDSL speeds. This router of course holds the "IPv6 Gold certification" for its support of new Internet standard IPv6 (IPv4-IPv6 dual stack).

The LANCOM 1781VAW features an integrated VDSL2 and ADSL2+ modem for ADSL lines

as per Annex B/J (over ISDN) or Annex A/M (over POTS), making it suitable for the latest "all-IP" connections. It also features an integrated 300-Mbps wireless LAN module that transmits in the 2.4- or 5-GHz frequency range. Standard equipment includes a comprehensive range of security features, such as fully functional 802.11i with WPA2 and AES encryption, and also 802.1X/EAP (WPA2 Enterprise).

Thanks to the powerful processor and support of hardware NAT, the LANCOM 1781VAW achieves true Gigabit speeds that set standards for this class of device - and it has enough performance in reserve for upgrades with a variety of software options. Even with active VPN encryption, it still provides a net throughput of more than 200 Mbps on the Internet.

The green Gigabit Ethernet switch provides power-saving functions as per 802.3az for energy-efficient networks, and allows for a fanless design of the device. Four user-configurable ports can be used for LAN, WAN (up to 4x load balancing with additional ADSL, SDSL, VDSL or cable modems), DMZ, VLAN, or monitoring. The high-speed USB 2.0 port supports devices such as printers and even selected 3G cellular modem sticks as an Internet access backup. It is also possible to upload preprogrammed configurations into the router from USB stick.

Flexibility through virtualization

The ARF and multi-SSID functions support up to sixteen virtual networks, each with its own DHCP, DNS, routing and firewall settings in the LAN and wireless LAN, and all of which are securely separated from one another. This enables the network to be flexibly divided up, for example to keep internal and external users separate.

Security and backup included

The LANCOM 1781VAW supports all current security standards for WLAN networks. In addition, a stateful inspection firewall protects the network against attacks from the Internet.

Like all LANCOM WLAN routers, this device supports remote configuration and management. Furthermore, the WLAN module can be fully managed by a LANCOM WLAN controller for 24/7 monitoring of security policies and Quality of Services guidelines. This means that there is no need for IT expertise at the branch office.

The device comes with 5 IPSec VPN channels as standard, optionally upgradable to 25 channels. Other options include database-related Internet content filtering for up to 100 users, and a Public Spot option for operating public wireless LANs.

Further information is available from the LANCOM web site www.lancom.eu.

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. Since May, 2013, 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-attack. Rohde & Schwarz Networks and Cybersecurity headquarters is 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.

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