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LANCOM Systems: Extensive operating system update for Wireless LAN and security

LCOS 9.20 delivers improved monitoring and top-quality Wi-Fi

Aachen, May 23, 2016—LANCOM Systems, the leading German manufacturer of networking solutions for business customers and the public sector, now offers a free update to its operating system LCOS. The latest firmware release provides significant improvements in performance, stability and security in particular to users of wireless LAN infrastructures. In addition, LCOS 9.20 features SNMPv3, IKEv2 and BGP to provide even better security for monitoring, site connectivity and routing.

The main innovations in detail:

Maximum Wi-Fi quality
With the LCOS version 9.20, LANCOM customers with WLAN routers now benefit from better coverage, stability and throughput on their wireless networks. Contributing significantly to this are the enhancements to the LANCOM WLAN optimization concept Active Radio Control (ARC). ARC combines a variety of intelligent Wi-Fi optimization technologies. In addition to previously available tools such as band steering, adaptive noise immunity and client steering, LCOS 9.20 now enhances ARC with "Adaptive RF Optimization" for WLAN routers. This feature enables access points and WLAN routers that experience serious radio-field interference to dynamically select a better Wi-Fi channel. This achieves a significantly higher Wi-Fi throughput under difficult conditions.

Also available for all LANCOM WLAN routers and access points with LCOS 9.20 is "Airtime Fairness", which makes more efficient use of the Wi-Fi bandwidths. The available bandwidth is fairly divided between the active clients, so that slow clients no longer slow down the faster ones.

SNMPv3

LANCOM users now benefit from improved security in network monitoring thanks to SNMPv3 (Simple Network Management Protocol version 3). This protocol combines convenient device monitoring and high security by means of encrypted data communication. LANCOM's own LANmonitor handles this without any configuration changes as SNMPv3 is enabled automatically.

VPN update

IKEv2 support facilitates a fast and secure establishment of VPN tunnels. For the first time, encrypted VPN networking is now possible between IPv6-based sites, including those using mixed operation with IPv4. As well as supporting IKEv2, LCOS 9.20 also supports IKEv1 for negotiating VPN connections between IPv6 networks.

LCOS 9.20 is available for free download from the LANCOM website.
https://www.lancom.eu/en/products/lcos/lcos-920/

LANCOM Systems background:

LANCOM Systems GmbH is the leading German manufacturer of reliable, innovative networking 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. LANCOM Systems 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.

Your editorial staff contact:

Kristian Delfs

International PR-Manager

LANCOM Systems GmbH

Phone: +49 (0)89 665 61 78 – 69

Mobile: +49 (0)1743 469 170

Kristian.delfs@lancom.de

www.lancom.eu