

New 802.11ac-series of outdoor access points from LANCOM Systems

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Aachen, October 5, 2015—LANCOM Systems, the leading German manufacturer of networking solutions for the commercial and public sectors, delivers the LANCOM OAP-800 series, a new range of outdoor access points ideally suited for professional outdoor WLAN. Applications include modern outdoor hotspots, professional WLAN coverage of open spaces, or establishing WLAN point-to-point links (P2P) for broadband provision or for taking connectivity to remote buildings.

These access points have a highly robust IP66 protective housing and operate even in extreme temperatures ranging from -33°C to +70°C. With 2x2 MIMO and radio modules operating with the WLAN standard IEEE 802.11ac, they offer gross data rates of up to 867 Mbps. The devices remain fully backwards compatible to former WLAN standards such as IEEE 802.11a/b/g/n. Power is optionally supplied via PoE according to the IEEE 802.3af standard.



The OAP-821 features an IEEE 802.11n/ac radio module, an internal 5-GHz P2P antenna, and connectors for an external 2.4-GHz antenna. The OAP-822 has two dual-band capable 802.11n/ac radio modules and is equipped with four external antenna connectors. The same applies to the OAP-830, although in this case its housing features one diversity sector antenna for each frequency (2.4- and 5-GHz), which are integrated internally.

The LANCOM OAP-821 Bridge Kit comes with two access points for establishing high-performance point-to-point links in the 5-GHz frequency range, the appropriate accessory kit and, in addition, two AirLancer Extender SA-LAN surge arrestors.

All devices are supplied with a complete set of accessories: Mounting materials, outdoor cables and a standards-compliant 802.3af PoE adapter.

WLAN optimization and comprehensive security features

The access points support the LANCOM WLAN optimization concept Active Radio Control. This intelligent combination of innovative features included with the LCOS operating system—such as adaptive noise immunity, adaptive RF optimization or client steering—sustainably increases wireless performance and supports administrators with professional tools for WLAN management.

Wireless transmissions are protected from attacks—with no loss in performance—thanks to an extensive range of security features including IEEE 802.11i with WPA2 and AES encryption and IEEE 802.1X/EAP (WPA2 Enterprise) for environments with higher security requirements.

Additionally, a VPN option enables the use of up to 5 IPSec VPN tunnels for remote management of the outdoor access points. Providers and hotspot operators who operate their devices on third-party networks benefit from a secure means of conducting their remote maintenance. Alternatively, it is possible to operate a confidential WLAN via a securely

encrypted VPN tunnel to the company headquarters.

Like all LANCOM access points, the new outdoor devices optionally work in stand-alone mode or in combination with a LANCOM WLAN controller. All devices support network virtualization with Multi-SSID and VLAN.

The new LANCOM OAP-800 series is available right now. Further information is available from the LANCOM web site www.lancom-systems.eu.

LANCOM Systems background:

LANCOM Systems 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. 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. The enterprise is a partner in the Alliance for Cyber Security initiated by the BSI.

Your editorial staff contact:

Kristian Delfs

LANCOM Systems GmbH

Phone: +49 (0)89 665 61 78 - 69

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

presse@lancom.de



LANCOM
SYSTEMS

www.lancom.eu

Sabine Haimerl

vibrio Kommunikationsmanagement Dr. Kausch GmbH

Phone: +49 (0)89 32151 - 869

Fax: +49 (0)89 32151 - 70

lancom@vibrio.de

www.vibrio.eu