

300-Mbps outdoor wireless links from LANCOM - Complete package including an antenna, lightning protection, fundamental literature and wireless-link calculation tool

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Aachen, April 17, 2008 - Outdoor wireless LAN links are now many times faster with the new high-performance outdoor antenna LANCOM AirLancer Extender O-D9a and the new 11n access point LANCOM L 310agn.

In combination with the 11n access point L-310agn, the O-D9a uses horizontally and vertically polarized waves at the same frequency for independent transmission paths and double the data rates. Employing the new patch antenna with a 9° directional beam and 23-dBi gain allows P2P outdoor wireless LAN links in the 5-GHz band (IEEE 802.11a) to yield data transfer rates of up to 300 Mbps (gross) and ranges of up to 20 km.

The lightning protection adapter AirLancer Extender SA-5L reduces the current surges that can occur even if outdoor lightning-protection equipment is installed. For example, partial discharges are capable of damaging the sensitive wireless LAN modules in access points. Through extensive research and development in cooperation with the RWTH Aachen university, LANCOM Systems was able to improve the level of protection against partial discharge compared to that available from standard protective adapters. The use of the AirLancer Extender SA-5L as a central component for lightning-protection systems is necessary for all outdoor installations.

The LANCOM Outdoor Guide is a free document with basic information on the possibilities and prerequisites for using wireless networks outside of buildings. The guide is available at the LANCOM Web site for download from

www.lancom.eu/Outdoor-Special.997+M52087573ab0.0.html

Under the same link you will find the Antenna Distance Calculator: This is an interactive tool that enables the range and data throughput of an installation to be estimated in advance and to calculate the required heights of masts and mountings.

The outdoor antenna LANCOM AirLancer Extender O-D9a is available as of the end of April for 549 Euro (excl. VAT). The AirLancer Extender SA-5L current surge protector is available now at 105 Euro (excl. VAT).

Detailed data sheets are available from the LANCOM Outdoor homepage:

www.lancom.eu/Outdoor-Special.997+M52087573ab0.0.html

LANCOM Systems background

LANCOM Systems GmbH is a leading German manufacturer of reliable communications solutions for large enterprises and SMEs, public authorities and institutions. The company supplies products and software for IP-based VPN, VoIP and wireless networks, along with support and services. These solutions are planned and developed specifically for the requirements of business customers. The company's focus is on Internet access products with integrated high-quality firewalls for ADSL, SDSL, ISDN and UMTS access and on comprehensive solutions for network connectivity and security with virtual private networks (VPN), wireless networks (wireless LAN) and public spots. LANCOM Systems GmbH is headquartered in Würselen near Aachen and has sales offices in Munich, London, Madrid, Bolzano and Amsterdam. Ralf Koenzen is the company's founder and Managing Director.

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