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AirLancer Extender O-D60a

Professional 5 GHz sector antenna with polarization diversity

- Sektor antenna with 60° beam width and 10 dBi gain
- Signal improvement of at least 3 dB from polarization diversity
- 5 GHz band / IEEE 802.11a
- Mounting kit, cables and adapters included
- Optimized design for all LANCOM access points

The AirLancer Extender O-D60a sector antenna from LANCOM Systems is a high-end product for the coverage of open spaces, warehouses, production facilities and hotspots with 5 GHz wireless LANs. Constructed as two antennas each with polarization rotated by 90°. This provides an improvement of at least 3 dB for WLAN connections in problematic environments, e.g. with reflection and cancellation.

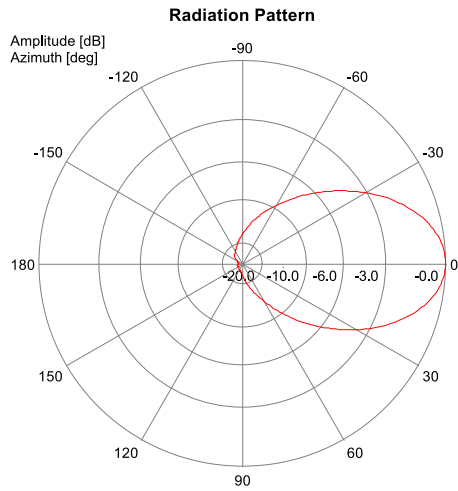
AirLancer Extender O-D60a

Technical data	
Range / Data rate	The range depends on the WLAN client adapter in use and the environmental conditions. Guideline value: ca. 100 m. Polarization diversity improves data rates by 70 to 100%.
Frequency range	5150 - 5875 MHz
VSWR	1.6
Impedance	50 Ohms
Polarization	dual linear, $\pm 45^\circ$
Gain	10 dBi
3dB directivity pattern horizontal	60°
3dB directivity pattern vertical	60°
Downtilt	0°
Isolation between connectors	25 dB
Front to back ratio	22 dB
Max. power	75 W at 25°C
Mechanical data	
Dimensions	101 x 95 x 35 mm (l x b x h)
Weight	0.11 kg
Housing material	Plastics ASA and aluminium
Colour	Lightgrey
Operating temperature	-45° to +80°C
Storage temperature	-45° to +80°C
Windload @ survival speed	15 N @ 160 km/h
Accessories	
Cable	2 x 1 m N plug to TNC jack
Adapter	2 x 15 cm reverse SMA to N
Installation material	For wall and pylon mounting
Approvals	
	The antenna is suitable for operation with LANCOM Wireless base stations only. The overall system meets CE standards and may be operated in those countries where the access point is notified. The system is only to be operated under strict observation of the guidelines for the use of frequency ranges and transmission power. For this purpose, LANCOM access points feature a setting for transmission power. Further information is available in the LANCOM Reference Manual and at www.lancom.de
Warranty	2 years
Item no.	61222
Additional LANCOM article	
AirLancer Cable NJ-NP 3m, 6m, 9m	Extension cable item no. 61230, 61231, 61232
AirLancer Extender SA-5	Antenna cable surge protector, item no. 61212

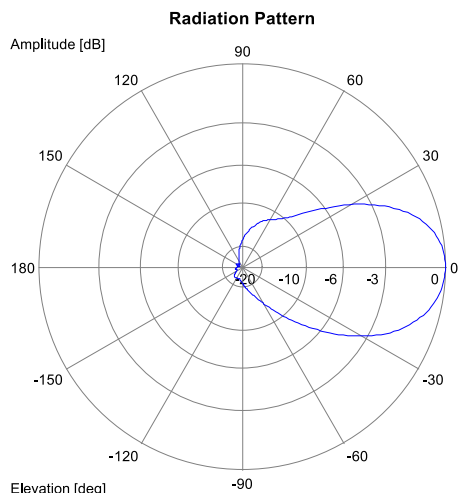
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Directivity pattern

Left Slant

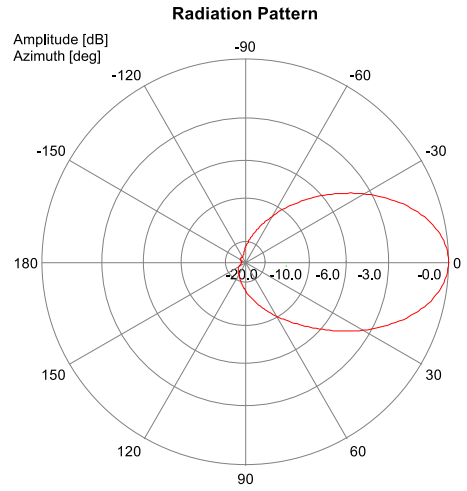


— Horizontal-Plane: Copolar

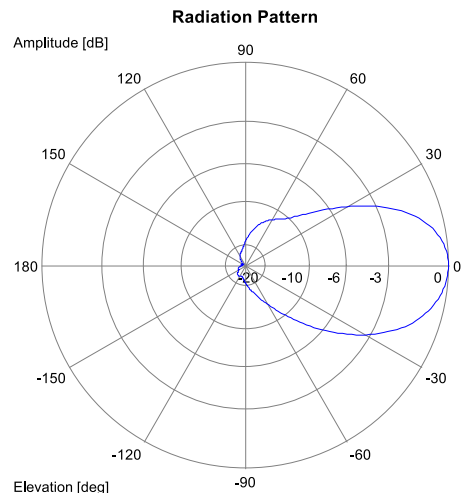


— Vertical-Plane: Copolar

Right Slant



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

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