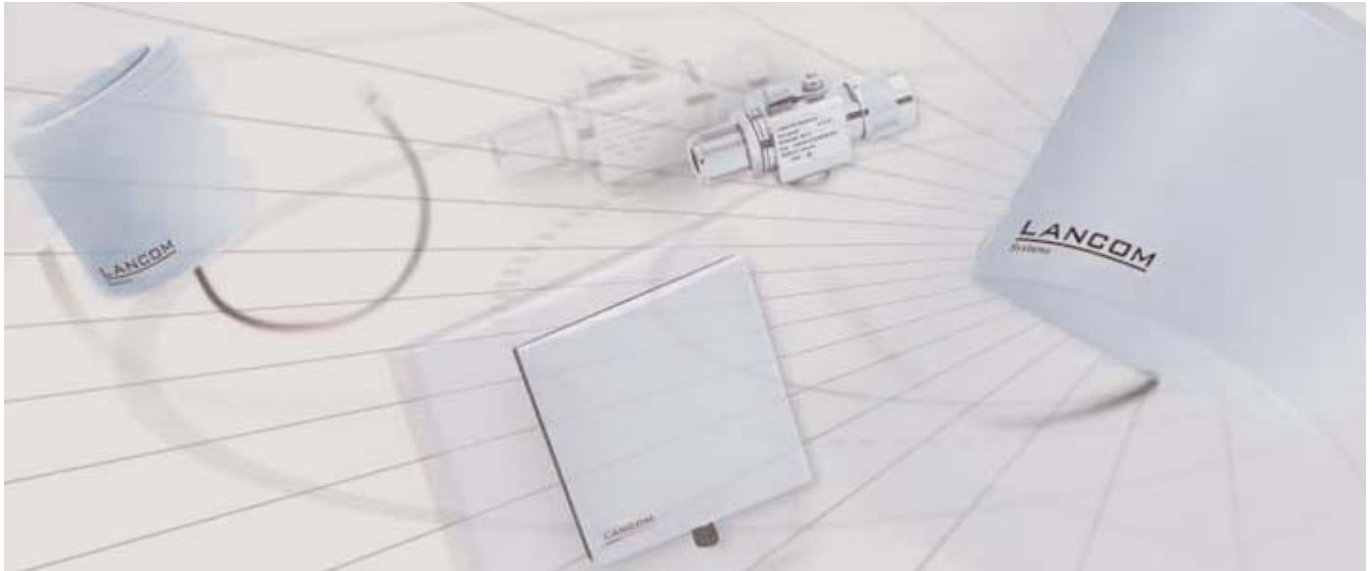


AirLancer Extender

High-End Antennas for Indoor and Outdoor Applications



AirLancer Extender antennas from LANCOM Systems offer a sound solution for every demanding application

Optimized coverage of wide areas (Campus, HotSpot)

High-performance point-to-point connections














Coverage in warehouses, production facilities

AirLancer Extender antennas are designed for optimal performance and the best possible signal quality. AirLancer Extender O-D80g and O-D60a sector antennas are equipped with polarization diversity which improves signal quality by up to 3dB. Clients that were served poorly by the antennas used until now suddenly see a clear improvement in signal quality and stability. AirLancer Extender O-9a, O-18a and O-30 achieve long-range point-to-point

connections for LAN-LAN coupling over distances of up to 20 km. The software-supported adjustment of transmitting power for LANCOM access points enables shorter cables with lower losses to be used, so providing a better quality of reception. The optimal solution for any requirements in the 2.4-GHz or 5-GHz range is quickly and easily assembled from an access point, antenna, lightning protection and an extension cable, where required. The components

are perfectly matched to one another; adapters are already included. Each antenna is supplied with a kit that includes cable and mounting materials. Optional extras include lightning protection for the antenna cable and for the PoE LAN cabling for the safety of the indoor network. In case cable extensions are required, LANCOM offers 3m, 6m and 9m low-loss cables with the appropriate connectors.

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Model		Technical Data	Equipment	Range
2.4 GHz				
AirLancer Extender O-30 Outdoor		30 directional antenna +14 dBi amplification	9mm cable N-RSMA +Adapter RSMA-Lucent	Up to 2.5km @ 1Mbps Up to 140m @ 54Mbps
AirLancer Extender O-70 Outdoor		70° sector antenna +8.5 dBi amplification	6m cable RSMA-N +Adapter RSMA-Lucent	Sector antenna for coverage of open areas
AirLancer Extender O-D80 Outdoor		80° sector antenna +9 dBi amplification Polarization diversity	2 x 1m cable TNC-N 2 x adapters RSMA-N	Sector antenna for coverage of open areas 3 dB better signal quality from Polarization density
AirLancer Extender I-180 Indoor		180° ceiling antenna +4 dBi amplification	2m cable SMA-RSMA	Up to 50% more range at up to 108 Mbps
AirLancer Extender I-360 Indoor		360° omnidirectional antenna +4 dBi amplification	1.5m cable	Only in combination with AirLancer MC-11
5 GHz				
AirLancer Extender O-9a Outdoor		9° directional antenna +23 dBi amplification	1m cable N-N+ Adapter N-RSMA	Up to 19km @ 6Mbps Up to 2.8km @ 54Mbps Up to 2km @ 108Mbps
AirLancer Extender O-18a Outdoor		18° directional antenna +18 dBi amplification	3m cable N-N + 1m cable N-RSMA	Up to 8km @ 6Mbps Up to 630m @ 54Mbps Up to 450m @ 108Mbps
AirLancer Extender O-D60a Outdoor		60° sector antenna +10 dBi amplification Polarization diversity	2 x 1m cable TNC-N 2 x adapters N-RSMA	Sector antenna for coverage of open areas
Dualband				
AirLancer Extender I-60ag Indoor		60° indoor antenna 2.4GHz: +8 dBi 5GHz: +6 dBi	1.5m cable RSMA	Up to 100% more range at up to 108Mbps in the 5GHz and the 2.4GHz band,
AirLancer Extender O-360ag Outdoor		360° omnidirectional antenna 2.4GHz: +6 dBi 5GHz: +7 dBi	3m cable N-N 1m cable N-RSMA	>2.5km@1Mbps@2.4GHz >1.5km@6Mbps@5GHz >140m@54Mbps >90m@108Mbps@5GHz
Accessories				
AirLancer Cable NJ-NP Extension Cable		Cable N plug to N jack	3m, 6m or 9m length	Attenuation: 2.4GHz-3m= 3dB, 6m=3dB,9m=4.5dB. 5GHz-3m=4.5dB,6m=4.7 db,9m=7dB
AirLancer Extender SA-5 Antenna Cable Lightning Protector		Lightning protector for antenna cable	Cable N plug to N jack	Frequency range 0-6GHz
AirLancer Extender SA-LAN Ethernet Cable Lightning Protector		Lightning protector for LAN PoE cable	RJ-45 to RJ-45	8 pin for PoE cat.5 cable

* the transmission ranges have been calculated using an attenuation of 10dB to simulate circumstances