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AirLancer Extender O-360-4G

Omni-directional multiband antenna for outdoor installations

- For the reception of LTE/4G, HSPA+, UMTS/3G, EDGE, GSM, and GPRS
- Covers all LTE/4G bands in the range from 800 – 2700 MHz
- MIMO antenna for higher data rates and better transmission quality
- Ships with 5 m cable with two SMA connectors
- Accessories for wall and mast mounting included
- Ideal for connecting to all LANCOM indoor WLAN routers

Frequently, the cellular signals received by a router inside a building are too weak to reliably support a network. In such cases, the installation of an outdoor antenna on the building's outer facade is recommended. It receives the signal outside and transfers it to the router inside the building. The AirLancer Extender O-360-4G is an outdoor antenna that operates not only with LTE/4G signals, but also GSM, EDGE, UMTS/3G, and HSPA+. The integrated MIMO technology brings higher data rates and a better transmission quality in combination with LTE/4G. Particularly in built-up areas, where the Fresnel zone to the provider's base station is unlikely to be free of obstructions, reflections are ideal for transmitting signals to and from the MIMO antenna. The supplied mounting accessories allow for fixing the antenna directly to a building facade or on a mast.

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Technical data	
Number of integrated antennas	2 (MIMO system)
Frequency range	800-960 MHz, 1710-2170 MHz, and 2400-2700 MHz
Bands supported	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LTE, 4G: Band 1 (2100 MHz) Band 3 (1800 MHz) Band 7 (2600 MHz) Band 8 (900 MHz) Band 20 (800 MHz)</p> </div> <div style="width: 45%;"> <p>Other 2G and 3G bands: GSM: GSM 900 (900 MHz) GPRS: DCS 1800 (1800 MHz) EDGE: PCS 1900 (1900 MHz)</p> <p>UMTS (HSDPA, HSUPA, HSPA+): Band 1 (2100 MHz) Band 8 (900 MHz)</p> </div> </div>
Antenna characteristics	Omni-directional antenna
VSWR	<2:1
Antenna gain (all bands) 800-960 MHz 1710-2170 MHz 2.4-2.7 GHz	2 dBi 5 dBi 4 dBi
Efficiency	>70%
Correlation coefficient	<0.2
Isolation	>20dB
Max. input power	20 Watts
Impedance	50 Ω
Environmental conditions and material properties	
Size	Height: 186 mm Width: 155 mm
Operating temperature	-40° to +80°C
Material	UV-resistant plastic (ABS)
Color	RAL 9010 (white)
Mounting options	<ul style="list-style-type: none"> • Wall fixing • Mast mounting (diameter of mast 2-5 cm) • Stand for mounting on windows sills (Indoor)
Cable material	2 x CS29 coax cable (5 mm)
Cable length	5 m
Connectors	2 x SMA (m)
Item	
Warranty	2 years
Item number	61227
Suitable accessories	
LANCOM 1781-4G	VPN router with integrated LTE modem
LANCOM 1781A-3G	VPN router with integrated UMTS and ADSL modem
LANCOM 1780-EW-3G	VPN router with integrated HSPA+ modem and WLAN
LANCOM IAP-3G	3G router for M2M applications in harsh environments
LANCOM IAP-321-3G	3G router with WLAN for M2M applications in harsh environments

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