LANCOM Antenna
# AirLancer Extender O-360-4G

LANCOM
Systems

General notes

The AirLancer Extender O-360-4G comes with materials for wall and pole mounting. The antenna must be installed so that the antenna outputs point downwards. The antenna has SMA connectors to which LANCOM indoor LTE/4G routers can be connected. The screw connections should not be exposed to the weather.

1. Placement on the desk or windowsill

Basically, outdoor installation provides better results. However, if this is not possible, the antenna can also be installed indoors. For this purpose a stand is included in the scope of delivery. The cable has to be led through the stand - as shown in the illustration - before the stand is clicked onto the antenna.
If the antenna has to be removed from the stand, hold the foot from below and the antenna from above. Move the foot slightly back and forth to allow the bolts to slide out of the mounting holes. This allows the antenna to be easily removed from the stand.
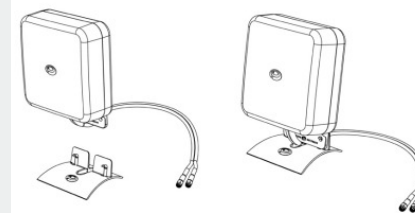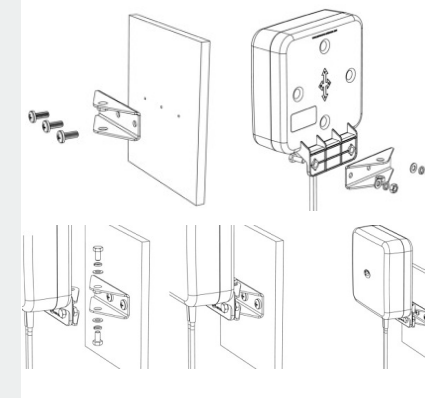

2. Wall mounting

First fix the bracket to the wall with suitable screws as shown.
Then attach the second bracket to the antenna with the screws and washers provided as shown.
Finally fix the antenna with the screwed bracket to the bracket on the wall.
The antenna can be aligned horizontally to the right or left using the angle.

3. Mast mounting

With the included U-bracket the antenna can be mounted on masts with a diameter of 20-50 mm.
The U-bracket is placed around the mast. The counterpart of the U-bracket is placed congruently on the holes of the antenna holder.
The U-bracket is now passed through the holes and tightened together with the supplied washers using the nuts provided.
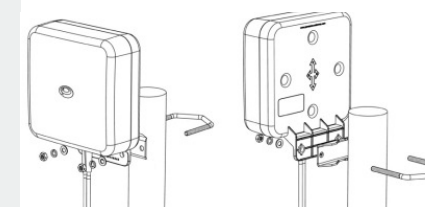
Important Information

General note
The AirLancer Extender O-360-4G complies with the requirements of the R&TT directive 1995/5/EC, as well as the FCC&ARPA NSA regulations.

Electrical and Electronic Equipment Act
Please do not throw electrical and electronic scrap into the household waste, it cannot be recycled there. Make sure that your electrical and electronic waste is disposed of in accordance with the currently valid guidelines of your country.

Correct handling of antenna cable
Antenna cables are sensitive HF cables. When laying them, it is therefore important to ensure that the cables are not kinked and that they are bent as little as possible, otherwise the performance of the antenna may be impaired. Likewise, the antenna cables should not be wound too tightly. Antenna cables must not be shortened.

Safety instructions
Parts of the antenna can be electrically conductive. Direct contact with power lines can result in serious injury or even death. The antenna and also a mounting mast must not be installed in the immediate vicinity of a power line. If the antenna has been mounted in a raised and/or exposed position, or if there is a risk of lightning strike, make sure that the antenna is mounted by a professional company and that it is properly grounded according to current standards.

Technical data	
Number of integrated antennas	2 (MIMO system)
Frequency range	800-960 MHz, 1710-2170 MHz, and 2400-2700 MHz
Antenna characteristics	
Gain (without cable loss)	800-960 MHz: 2 dBi, 1710-2170 MHz: 5 dBi, 2400-2700 MHz: 4 dBi
Radiation characteristics	Omnidirectional radiator
Impedance	50 Ohm
Mechanical data	
Size	186 x 155 mm (height x width)
Weight	208 g (antenna without mounting kit)
Operating temperature	-40 °C to +80 °C
Color	RAL 9010 (white)
Material	UV-resistant plastic
Mounting options	Can be set up with a stand, e.g. on window sills; wall mounting; pole mounting with U-bracket
Cables, connectors	2 x CS29 (coax cable), diameter: 5 mm, length: 5 m; connectors: 2 x SMA (m)
Product	
Warranty	2 years for AirLancer and accessories
Item number	61227
Scope of delivery	Antenna, fixing material for wall and mast mounting, mounting instructions