SECURE. **NETWORKS.**

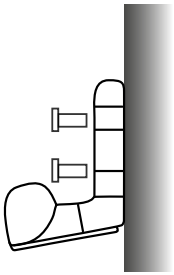
LANCOM Antenna AirLancer ON-T360ag

LANCOM Systems

MOUNTING INSTRUCTIONS

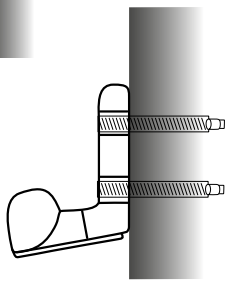
Attaching the antenna bracket by wall mounting

In the case of wall mounting, attach the antenna bracket to the wall with the enclosed bolts. You may need to drill the holes first and insert dowels.



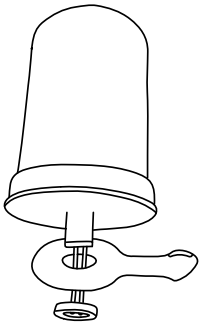
Attaching the antenna bracket by pole mounting

In the case of pole mounting, use screw clamps to attach the antenna bracket directly to the pole.



Attaching the antenna arm to the antenna

When attaching the antenna arm to the antenna, please ensure that there is a close fit between them. Make use of the pin on the antenna arm and the matching recess in the antenna. Finally, use the locking screw to secure the antenna arm to the antenna.



Important

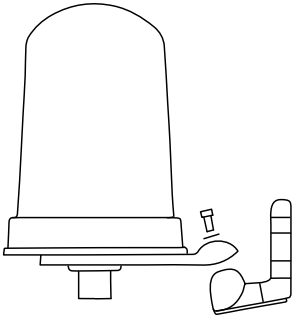
Mounting the antenna upside down

If the antenna will be mounted outdoors and with the cables exiting upwards, it is essential to have a good seal by sticking the insulation disk to the antenna before attaching it to the antenna arm.

MOUNTING INSTRUCTIONS

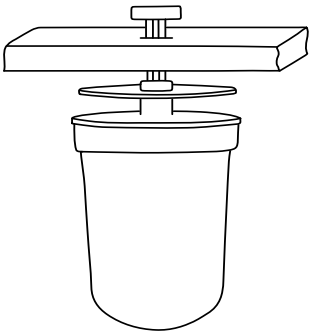
Attaching the antenna to the antenna bracket

The antenna is attached to the antenna bracket by means of the antenna arm. To do this, place the antenna-arm joint socket onto the joint head of the antenna bracket. Tighten this joint with the wing screw or hexagon socket screw supplied. Whichever screw you use, please be sure to use the washer supplied.



Attaching the antenna to a suspended ceiling

This requires a 3-cm diameter hole in the suspended ceiling. First stick the insulation disk to the antenna. This acts as a washer and protects the ceiling and the antenna. Insert the cables and the screw thread through the hole in the ceiling. Then screw the locking screw onto the screw thread and tighten it.



Important
Working responsibly with high frequencies

The AirLancer ON-T360ag meets the requirements of the R&TT directives 1995/5/EC and the FCC & ARPANSA regulations. To ensure compliance with these requirements, a minimum distance of 20 cm must be maintained between the antenna and the human body when operating the antenna.

Important
Electrical and electronic equipment law

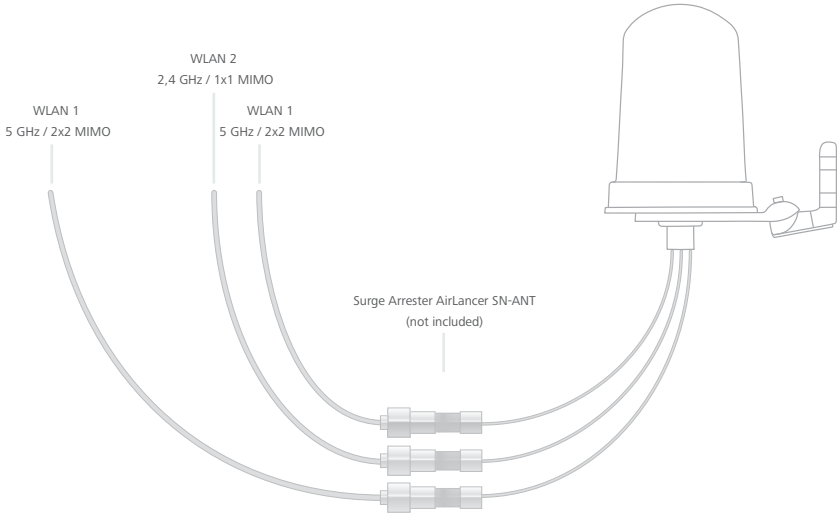
In the interests of recycling, please do not dispose of electrical and electronic waste in your household garbage. Ensure that your electrical and electronic waste is disposed of in accordance with the regulations in your country.

MOUNTING INSTRUCTIONS

Important
Proper handling of antenna cables
Antenna cables are sensitive RF cables. During installation it is important that the cables are not creased, and bent as little as possible, otherwise the antenna will suffer a loss of performance. Do not coil the antenna cable in tight loops.

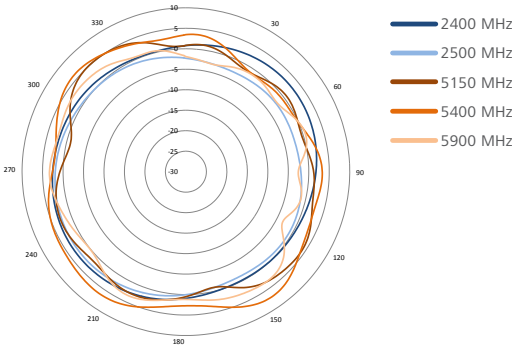
Important
Antenna gain and terminating unused antenna connectors on the access point
It is essential for unused antenna connectors on the access point to be terminated with the supplied rod antenna. The terminating resistor supplied with the adapter AirLancer AN-RPSMA-NJ is suitable for use with indoor access points. In addition, you must disable the unused antenna connectors in LCOS (changing the antenna grouping of the respective WLAN module), and configure the antenna gain of the antenna. The settings can be found in LANconfig at:
Configuration > Wireless LAN > General > Physical WLAN settings > Radio

Operating mode
2x2 MIMO & 1x1 MIMO
Apart from its standard operation as a 3x3 MIMO antenna, this antenna can also be used by two WLAN modules operating in two different frequency ranges. This is done by connecting one of the connectors to one WLAN module and the other two connectors to the other WLAN module. As the AirLancer ON-T360ag has antenna segments that are aligned equally to one another, you are free to choose your arrangement. Please note that in this operating mode at least one antenna connector of the access point will be unused and has to be terminated.

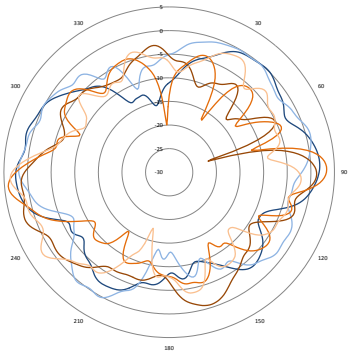


Technical details	
Frequency range	2400 - 2500 MHz, 4900 - 5900 MHz
Antenna characteristics	
Radiation characteristics	horizontal (2.4 GHz) 360° vertical (2.4 GHz) 25° horizontal (5 GHz) 360° vertical (5 GHz) 15°
Recommended use	Hotspot, coverage of open spaces
VSWR	2.0:1 max.
Gain	2.4 GHz 5 dbi max. 5 GHz 7 dbi max.
Mechanical details	
Size	26 x 16 cm (height x diameter)
Weight	950 g
Temperature range	-30°C to 70°C
Color	light grey
Material	UV-resistant plastic
Mounting options	Wall, pole, and ceiling mounting
Cables, connectors	3 x 91.4 cm UV-resistant RG58 cable with N-plug connector
Item	
Warranty	2 years for AirLancer and accessories
Item number	61242
Package content	Antenna, insulation disk, antenna arm, antenna bracket, locking screw, fastening bolts (2x wall mounting, hexagon socket screw/wing screw with washer to connect antenna arm to antenna bracket), Quick Reference Guide

2.4 & 5 GHz h-plane



2.4 & 5 GHz e-plane



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