

Accessories



Perfect reception with the right antenna

We offer our customers a range of mobile radio and Wi-Fi antennas for professional use. When selecting the right antenna, the reception conditions and the installation options on site should be taken into account.

In the event of unfavourable reception conditions, such as when the device is located inside a shielded building or in a control cabinet, the use of external antennas is recommended. The brackets supplied for various mounting options are particularly practical. Of course, we also offer extension cables for our antennas if required.

Antennas with a magnetic base or a bracket are mainly used for devices that are already installed in an environment with relatively good reception.



Tested by us

Best wireless performance with INSYS products



Flexibility

Many different antenna designs depending on requirements and mounting options



Industrial-standard performance

Wide operating temperature range and reliable quality



External use

IP protection against entry of water or dust



Wide frequency ranges

Mobile radio antennas with worldwide frequency bands, in part already for 5G



High-quality cable material

Low signal attenuation with connection and extension cables

Technical data

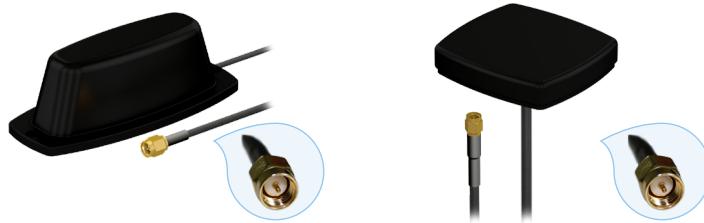
Cellular antennas



Designation	Magnetic Antenna 4G IP65 3m	Wall Antenna 4G IP67 5m	Allround Antenna 5G IP66 5m
Highlights	Compact and easy mounting Indoor and outdoor use	Robust mounting Excellent performance Indoor and outdoor use	Premium antenna Excellent performance Screw or wall mounting Indoor and outdoor use Inkl. 5G frequencies
Frequency ranges	698 ... 960 MHz 1710 ... 2170 MHz 2300...2400 MHz 2500 ... 2700 MHz (worldwide frequency bands)	698...960 MHz 1710 ... 2170 MHz 2500 ... 2700 MHz (worldwide frequency bands)	617 ... 960 MHz 1427 ... 6000 MHz (worldwide frequency bands incl. 5G)
Gain max.	1.0 dBi (698 ... 960 MHz) 1.1 dBi (1710 ... 2170 MHz) 2.1 dBi (2300 ... 2400 MHz) 1.2 dBi (2500 ... 2700 MHz)	2.2 dBi (698 ... 960 MHz) 3.0 dBi (1710 ...2170 MHz) 0.4 dBi (2500 ... 2700 MHz)	1.6 dBi (617 ... 960 MHz) 2.3 dBi (1427 ... 6000 MHz)
Mounting	Adhesive mounting with integrated magnet, antenna requires a conductive, ferromagnetic surface, e.g. steel	Wall mounting incl. bracket	Screw mounting (M12 incl. sealing pad, antenna requires a metallic surface) or wall mounting incl. bracket
Dimensions	Height 72 mm, diameter 31 mm	Height 220 mm (325 mm incl. mounting bracket), wall clearance 155 mm	Height 82 mm (164 mm incl. mounting bracket), diameter 48 mm
Operating temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Protection class	IP65	IP67	IP66
Connecting cable	3 m, type LMR100, SMA connector (m)	5 m, type LL195, SMA connector (m)	5 m, type CS29, SMA connector (m)
Article No.	10019504	10020596	10022961

Technical data

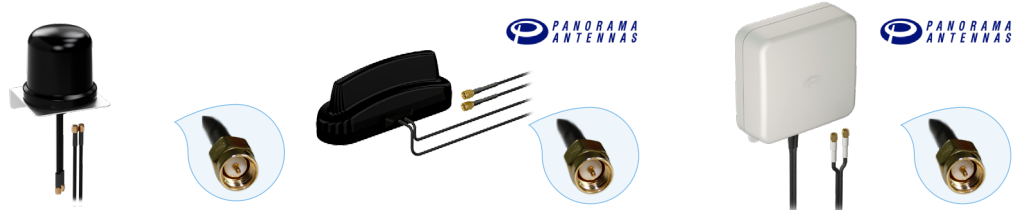
Cellular antennas



Designation	Magnetic/screw/adhesive Antenna 4G 5m	Roof Mount Antenna 4G IP67 3m
Highlights	Versatile mounting options Focus on key European frequency bands	Compact design and stable mounting Vandal-proof Indoor and outdoor use
Frequency ranges	824 ... 960 MHz 1710 ... 2170 MHz (without frequency bands around 700 MHz and 2600 MHz)	698 ... 960 MHz 1710 ... 2170 MHz 2500 ... 2700 MHz (worldwide frequency bands)
Gain max.	0.9 dBi (824 ... 960 MHz) 0.7 dBi (1710 ... 2170 MHz)	1.8 dBi (698 ... 960 MHz) 3.5 dBi (1710 ... 2170 MHz) 4.4 dBi (2500 ... 2700 MHz)
Mounting	Adhesive mounting (incl. magnet and adhesive pad), screws; antenna is surface independent (metal / other)	Screw/adhesive mounting (thread M10, 8.5 mm long with cable feed-through, incl nut & adhesive pad); antenna is surface independent (metal / other)
Dimensions	Height 38 mm, length 117 mm, width 49,5 mm	Height 15 mm, length 80 mm, width 74 mm
Operating temperature	-40 ... +85 °C	-40 ... +85 °C
Protection class	-	IP67
Connecting cable	5 m, type LMR100/LL100 SMA connector (m)	3 m, type DACAR 302, SMA connector (m)
Article No.	10017462	10022309

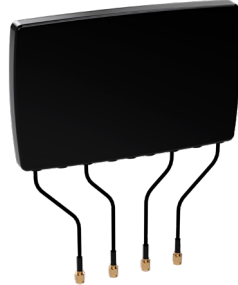
Technical data

Cellular antennas with 2 connections (2x2 MIMO)



Designation	Screw/wall Antenna 2x2 MIMO 5G IP69 IK09 3m	Magnetic Antenna 2x2 MIMO 5G/4G IP65 3m	Panel Antenna 2x2 MIMO 5G/4G IP65 5m
Highlights	Compact antenna for routers with 2 antenna connectors Indoor and outdoor use Inkl. 5G frequencies Vandalism protection	Premium antenna for routers with 2 antenna connectors Simple magnetic mounting Indoor and outdoor use Inkl. 5G frequencies	Premium antenna for routers with 2 antenna connectors Excellent performance Indoor and outdoor use Inkl. 5G frequencies
Frequency ranges	617 ... 960 MHz 1427 ... 2690 MHz 3300 ... 5000 MHz 5150 ... 5925 MHz (worldwide frequency bands incl. 5G)	698 ... 960 MHz, 1710 ... 3800 MHz (worldwide frequency bands incl. 5G)	698 ... 960 MHz 1710 ... 3800MHz (worldwide frequency bands incl. 5G)
Gain max.	1.4 dBi (617 ... 960 MHz) 3.6 dBi (1427 ... 2690 MHz) 3.4 dBi (3300 ... 5000 MHz) 3.8 dBi (5150 ... 5925 MHz)	1.5 dBi (668 ... 960 MHz) 4.5 dBi (1710 ... 2170 MHz) 5.0 dBi (2500 ... 3800 MHz)	2.0 dBi (698 ... 960 MHz) 5.0 dBi (1710 ... 2170 MHz) 4.0 dBi (2200 ... 3800 MHz)
Mounting	Screw or wall mounting, thread M27, height 22mm, surface independent (metal / other), bracket for wall mounting	Adhesive mounting with integrated magnets, high adhesive force	Wall / pole mounting or for stand-up positioning (incl. 3 brackets with variable alignment), approx. 30 cm distance to metal surfaces
Dimensions	Height 90 mm, diameter 96 mm, Including bracket: 120 x 104 mm	Height 61 mm, width 150 mm, depth 45 mm	Heigt 155 mm, width 155 mm, depth 75 mm
Operating temperature	-40 ... +85 °C	-30 ... +70 °C	-30 ... +80 °C
Protection class	IP67, IP69, IK09	IP65	IP65
Connecting cable	2x 3m, type LL195, 2x SMA connector (m)	2x 3 m, type RG174, 2x SMA connector (m)	2x 5 m, type CS29 (5 mm diameter), 2x SMA connector (m)
Article No.	10026305	10022963	10022962

Technical data

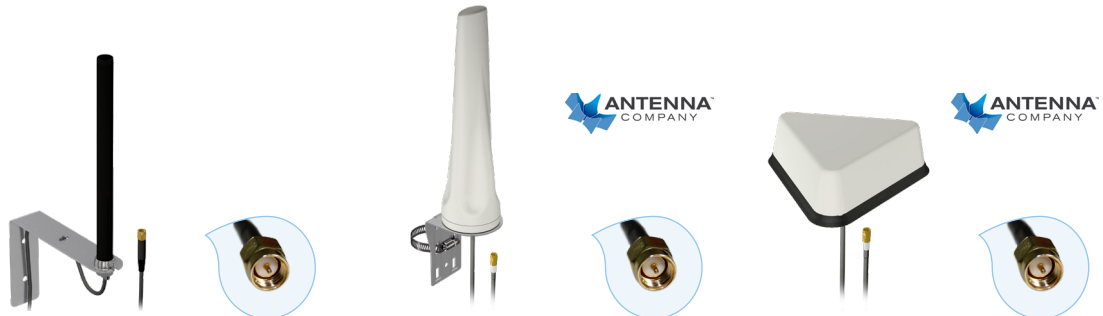


Cellular antenna with 4 connections (4x4 MIMO)

Designation	Panel Antenna 4x4 MIMO 5G/4G IP69 3m
Highlights	5G antenna for high data rates with 4 connections (4 channels) Screw & adhesive mounting Indoor and outdoor use Low-profile design
Frequency ranges	617 ... 960 MHz 1427 ... 2690 MHz 3300 ... 5000 MHz 5150 ... 5925 MHz (worldwide frequency bands incl. 5G)
Gain max.	3.1 dBi (617 ... 960 MHz) 4.5 dBi (1427 ... 2690 MHz) 2.0 dBi (3300 ... 5000 MHz) 0.9 dBi (5150 ... 5925 MHz)
Mounting	Screw mounting (vertical attachment to 2 screws) or adhesive mounting (adhesive pads included)
Dimensions	Height 127 mm, width 198 mm, Depth 15.7 mm
Operating temperature	-40 ... +85 °C
Protection class	IP67, IP69
Connecting cable	2x 3 m, type DACAR 302, Connections 2x SMA (m)
Article No.	10026179

Technical data

LTE450 antennas



Designation	LTE450 Wall Antenna IP67 5m	LTE450 Wall Antenna 5G/4G IP67 IK10 5m	LTE450 Screw Mount Antenna 5G/4G IP67 IK10 5m
Highlights	Specially for LTE450 Stable mounting Indoor & outdoor use	High-performance antenna Combination LTE450 and standard mobile radio frequencies incl. 5G Stable mounting Indoor & outdoor use Vandalism protection IK10	Compact high-performance antenna Combination LTE450 and standard mobile radio frequencies incl. 5G Stable mounting Indoor & outdoor use Vandalism protection IK10
Frequency ranges	410 ... 496 MHz (frequency bands for LTE410 and LTE450)	410 ... 470 MHz 650 ... 960 MHz 1700 ... 3800 MHz (LTE410/450 and worldwide standard frequency bands incl. 5G)	450 ... 470 MHz 700 ... 960 MHz 1700 ... 4000 MHz (LTE450 and worldwide standard frequency bands incl. 5G)
Gain max.	1.5 dBi (410 ... 496 MHz)	2.6 dBi (410 ... 470 MHz) 4.8 dBi (695 ... 960 MHz) 4.4 dBi (1425 ... 2700 MHz) 3.3 dBi (3300 ... 3800 MHz)	4.0 dBi (450 ... 470 MHz) 5.2 dBi (700 ... 960 MHz) 7.1 dBi (1700 ... 2700 MHz)
Mounting	Wall mounting with steel angle	Wall mounting incl. steel angle or pole mounting incl. pipe clamp or screw mounting on metallic surface	Screw mounting on metallic surfaces, mounting hole 20 mm incl. nut M18
Dimensions	Height 220 mm (325 mm incl. mounting bracket), wall clearance 155 mm	Height 255 mm (350 mm incl. mounting bracket), wall clearance 82 mm	Height 50 mm (70 mm incl. mounting bracket), width 148 mm length 165 mm
Operating temperature	-40 ... +85 °C	-40 ... +80 °C	-40 ... +80 °C
Protection class	IP67	IP67 (environment), IK10 (vandalism)	IP67 (environment), IK10 (vandalism)
Connecting cable	5 m, type LL195, SMA connector (m)	5 m, type LMR-195, SMA connector (m)	5 m, type LMR-195, SMA connector (m)
Article No.	10024225	10024263	10024278

Technical data

Antenna extension cable for cellular communication



Designation	Antenna Extension Cable 5 m SMA	Antenna Extension Cable 10 m SMA	Antenna Extension Cable 15 m SMA
Highlights	Useful in unfavourable installation locations Low signal attenuation		
Frequency range	5 ... 6000 MHz		
Dimensions	Diameter 5.4 mm, for length see article designation		
Operating temperature	-20 ... +75 °C		
Cabel material	Type H-155		
Connectors	1x SMA (f), 1x SMA (m)		
Article No.	Length 5 m: 10015193	Length 10 m : 10018607	Length 15 m: 10000735

Technical data

WiFi antennas



Designation	Magnetic Antenna WiFi 2.4 GHz IP67 1.5m	Wall Antenna WiFi IP54 2.5m
Highlights	Compact and easy mountin Internal and external use	Robust mounting
Frequency ranges	2410 ... 2490 MHz	2410 ... 2490 MHz 4920 ... 5925 MHz
Gain max.	1.6 dBi	1.5 dBi (2410 ... 2490 MHz) 1.7 dBi (4920 ... 5925 MHz)
Mounting	Adhesive mounting with integrated magnet, antenna requires a conductive ferromagnetic surface, e.g. steel	Wall mounting incl. bracket
Dimensions	Height 72 mm, diameter 31 mm	Height 270 mm (incl. mounting bracket), Wall clearance: 115 mm
Operating temperature	-40 ... +85 °C	-40 ... +85 °C
Protection class	IP67	IP54
Connecting cable	1.5 m, type LMR100, RP-SMA connector (f)	2.5 m, type LMR100, RP-SMA connector (f)
Article No.	10019797	10022599