



**Indoor Antennas**

LOW-PIM.  
FUTURE-PROOF.  
VERSATILE.

Indoor Antennas for Distributed Antenna Systems

# IN-BUILDING DAS ANTENNAS

Today we want to be connected everywhere. Therefore, mobile radio connections must not end at the entrance to larger buildings. Especially in large premises, there is a need for comprehensive network coverage for good signals – always and everywhere.

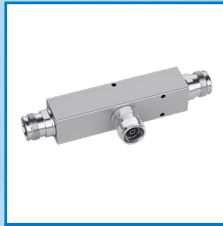
Coverage is one critical requirement for deploying mobile communication networks. This is true for all cell architectures such as macro, micro, small and pico cells. For reaching all users in a cellular network, in-building coverage also needs to be ensured. Especially on the lower floors in large buildings, network availability is limited, if the building is not equipped with a Distributed Antenna System. This solution is implemented to achieve optimal coverage and provide maximum capacity in large buildings.

As already offering passive DAS components such as Power Splitters, Couplers or Tappers, Telegärtner consequently now introduces In-Building DAS Antennas to round up the portfolio. In doing so, Telegärtner is able to support its customers with a complementary product range and thus with suitable solutions for the heterogeneous requirements of different passive DAS sites.

Similar to the distribution products, Telegärtner concentrates on **low-PIM antennas** in the standard portfolio. Furthermore, besides antennas for 2G, 3G and 4G applications, the portfolio also includes **future-proof** antennas for 5G as well as WiFi applications. Customized solutions are available on demand.

#### The portfolio includes:

- SISO and MIMO antennas
- Unobstrusive design
- Omnidirectional and directional antennas (ceiling and wall mount)
- Various polarisations
- Different frequency ranges (TETRA, 2G, 3G, 4G, 5G, WiFi)
- Installer-friendly 0.5m cable length
- Mounting material included



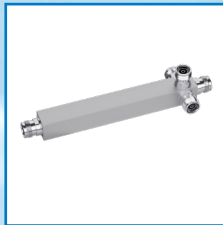
Tapper



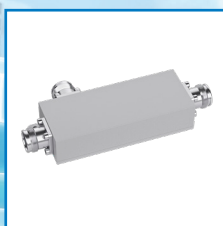
Directional Antenna



Omnidirectional Antenna



Power Splitter







Directional Coupler







Hybrid Coupler



## Order Information

Omnidirectional Antennas	Part Number (new/old)	Antenna Type	Frequency Band (MHz)	Polarisation	PIM (2x43dBm)	Connector
	100032954 M30100A0000	Omni SISO Ceiling Antenna	698-960 1710-2700	vertical	-150 typ.	4.3-10 female
	100032955 M30100A0001	Omni SISO Ceiling Antenna, ultra wideband	380-520 698-960 1710-6000	vertical	-150 typ.	4.3-10 female
						
	100032956 M30100A0002	Omni SISO Ceiling Antenna, ultra wideband	694-806 860-960 1695-2180 2305-6000	vertical	-153 typ.	4.3-10 female
						
	100032959 M30100A0005	Omni SISO Ceiling Antenna, low-profile	698-960 1710-2700 3300-4000	horizontal	-150 typ.	4.3-10 female
						
	100032965 M30101A0004	Omni MIMO Ceiling Antenna	698-960 1710-2700	2x vertical	-150 typ.	2x 4.3-10 female
	100032962 M30101A0001	Omni MIMO Ceiling Antenna	698-960 1710-2700 3400-4000	vertical & horizontal	-150 typ.	2x 4.3-10 female
						

## Order Information

Directional Antennas	Part Number (new/old)	Antenna Type	Frequency Band (MHz)	Polarisation	PIM (2x43dBm)	Connector
	100032960 M30100A0006	Panel SISO Wall Antenna	698-960 1710-2700	vertical	-150 typ.	4.3-10 female
	100032958 M30100A0004	Panel SISO Wall Antenna	698-960 1710-2170 2200-2700 3400-4000	vertical	-153 typ.	4.3-10 female
	100032966 M30101A0005	Panel MIMO Wall Antenna	698-960 1710-2700	vertical & horizontal	-150 typ.	2x 4.3-10 female
	100032967 M30101A0006	Panel MIMO Wall Antenna	698-960 1710-2700	±45°	-150 typ.	2x 4.3-10 female
	100032964 M30101A0003	Panel MIMO Wall Antenna	698-960 1710-2700 3300-4000	±45°	-153 typ.	2x 4.3-10 female





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