Extendr® 1

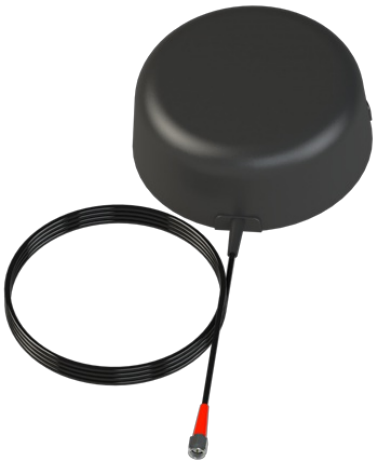
High performance multiband antenna with extended range in all cellular bands (2G, 3G & 4G)

Rugged tamper-proof multiband antenna combining all major cellular bands. The antenna is ideal for IoT and M2M applications providing a stable connection in critical areas. The Extendr® antenna family offers multiple mounting options. The antenna is offered with customer specified cables and connectors.

- 9 bands in one installation
- IP67 water proof design for professional use
- Low profile design
- Ground plane independent

ELECTRICAL SPECIFICATIONS

Frequency	790 - 2690 MHz (LTE800/1800/2600, GSM850/900/1800, PCS/DECT1900, UMTS900/2100)
Impedance	50 Ohm
Vswr	<3.0:1 (790-960 MHz), <3.0:1 (1710-2170 MHz), < 1.5:1 (2300-2690 MHz)
Polarisation	Linear
Gain	1 dBd, 3.1 dBi (790-960 MHz, 1710-2170 MHz) 3 dBd, 5.1 dBi (2300-2690 MHz)
Max. Input Power	10 W
Antistatic Protection	Direct Ground (DC-short)



MECHANICAL SPECIFICATIONS

Color	Black
Height	46 mm (Above surface when mounted)
Weight	150 g
Diameter	Ø 111 mm
Mounting Place	On vertical or horizontal surfaces (conductive or non-conductive). E.g. car roofs, metering cabinets and brackets
Mounting hole	Ø 16 - 17 mm
Build-in Depth	Max. 15.6 mm
Materials	ABS, silicon, brass, PVC, PE and PCB
Operating Temperature	-40°C to +85°C
Connector	SMA-male (Other types available)
Cable	RG174/U, 1.5 m (Other cable lengths available)
Ingress protection	IP67 (when mounted)

ORDERING INFORMATION

P/N	48011-000 (1.5 m cable + SMA-male - Bulk packing) - Through Hole Mounting
P/N	48011-001 (1.5 m cable + SMA-male - In polybag) - Through Hole Mounting
P/N	48021-000 (1.5 m cable + SMA-male - Bulk packing) - Adhesive Mounting
P/N	48021-001 (1.5 m cable + SMA-male - In polybag) - Adhesive Mounting
P/N	48031-000 (1.5 m cable + SMA-male - Bulk packing) - Magnetic Mounting
P/N	48031-001 (1.5 m cable + SMA-male - In polybag) - Magnetic Mounting

PACKAGING INFORMATION

Type	Bulk paking or individually packing in Polybag (See "ORDERING INFORMATION")