

Datasheet

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Extendr® 5G-2

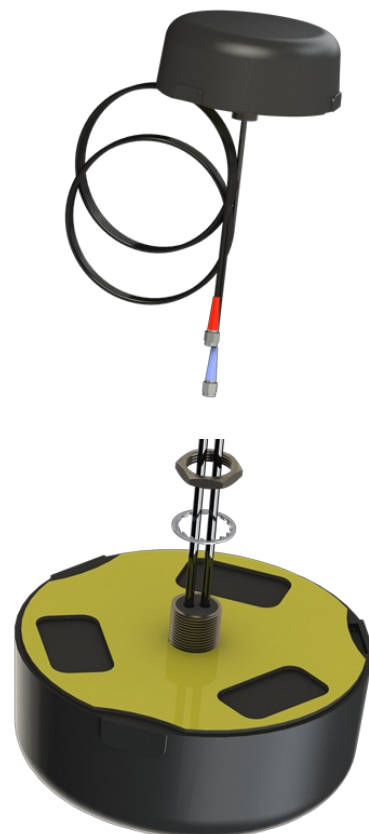
High performance multiband cellular (2G, 3G, 4G & 5G) and GNSS antenna with extended range

Rugged tamper-proof multiband antenna combining all major cellular bands and 4 GNSS applications. The antenna is ideal for fleet management, IoT and M2M applications providing a stable connection in critical areas.

- Excellent performance, VSWR below 2.5 in 92% of the specified band
- IP67 water proof design for professional use
- Low profile design
- Ground plane independent

ELECTRICAL SPECIFICATIONS

Frequency	Cellular: 698-790 / 790-960 / 1710-2690 / 3300-3800 MHz
Impedance	50 Ohm
Vswr	<4.0:1 (698-790 MHz) <3.0:1 (790-960 MHz) <1.5:1 (1710-2170 MHz, 2300-2690 MHz) <2.0:1 (3300-3800 MHz) Measured with 2.0 m cable
Satellite System	GLONASS, GPS, Galileo and BeiDou
Polarisation	Cellular: Linear GNSS: RHCP
Gain	0 dBd, 2.1 dBi (698-960 MHz) 1 dBd, 3.1 dBi (790-960 MHz, 1710-2170 MHz) 3 dBd, 5.1 dBi (2300-2690 MHz, 3300-3800 MHz)
Max. Input Power	10 W
LNA gain	26 dB (GNSS)
Noise Figure	1.35 dB (GNSS)
Supply voltage	3 - 5.5 V DC (Fed via cable) (GNSS)
Current consumption, average	20 mA (GNSS)
Antistatic Protection	Direct Ground (DC-short)



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MECHANICAL SPECIFICATIONS

Color	Black
Height	46 mm (Above surface when mounted)
Weight	160 g
Diameter	Ø 111 mm
Mounting	Through Hole Mounting (Adheisve and Magnetic available)
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 1	Cellular (Red): SMA-male (Other types available)
Connector 2	GNSS (Blue): SMA-male (Other types available)
Cable	RG174/U
Ingress protection	IP67 (when mounted)

ORDERING INFORMATION

48102-001	2.0 m cable + SMA-male - Through Hole Mounting
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PACKAGING INFORMATION

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