Extendr® 3

High performance multiband cellular, GNSS and WiFi antenna with extended range

Rugged tamper-proof multiband antenna combining all major cellular bands, all WiFi bands and 4 GNSS applications. The antenna is ideal for fleet management, 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 cellular bands, 4 GNSS and all WiFi bands in one installation
- IP67 water proof design for professional use
- Low profile design
- Ground plane independent

ELECTRICAL SPECIFICATIONS

Frequency	790 - 2690 MHz, 1561.1 - 1605.4 MHz, 2400 - 2495 MHz, 4910 - 5925 MHz (LTE800/1800/2600, GSM850/900/1800, PCS/DECT1900, UMTS900/2100, GNSS, IEEE 802.11 (WLAN) a/b/g/h/j/n/p/ac)
Impedance	50 Ohm
Vswr	<3.0:1 (790-960 MHz),<3.0:1 (1710-2170 MHz), <1.5:1 (2500-2690 MHz) , <1.5:1 (2400-2490 MHz), < 2.5:1 (4910-5925 MHz)
Satellite System	GLONASS, GPS, Galileo and BeiDou
Polarisation	LTE/GSM/UMTS/WLAN
Gain	0 dBd, 2.1 dBi (2400-2490 MHz) 1 dBd, 3.1 dBi (790-960 MHz, 1710-2170 MHz) 3 dBd, 5.1 dBi (2500-2690 MHz, 4910-5925 MHz)
Max. Input Power	10 W (LTE/GSM/UMTS/WLAN)
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)

Scan—Antenna®

MECHANICAL SPECIFICATIONS

Color	Black
Height	46 mm (Above surface when mounted)
Weight	170 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
Materials	ABS, silicon, brass, PVC, PE and PCB
Operating Temperature	-40°C to +85°C
Connector	LTE/GSM/UMTS (Red): SMA-male (Other types available)
Connector2	GNSS (Blue): SMA-male (Other types available)
Connector3	WLAN (Black): SMA-male (Other types available)
Cable	RG174/U, 1.5 m (Other cable lengths available)
Ingress protection	IP67 (when mounted)

ORDERING INFORMATION

P/N	48013-000 (1.5 m cable + SMA-male - Bulk packing) - Through Hole Mounting
P/N	48013-001 (1.5 m cable + SMA-male - In polybag) - Through Hole Mounting
P/N	48023-000 (1.5 m cable + SMA-male - Bulk packing) - Adhesive Mounting
P/N	48023-001 (1.5 m cable + SMA-male - In polybag) - Adhesive Mounting
P/N	48033-000 (1.5 m cable + SMA-male - Bulk packing) - Magnetic Mounting
P/N	48033-001 (1.5 m cable + SMA-male - In polybag) - Magnetic Mounting

PACKAGING INFORMATION

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

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