### Datasheet

# Commutr®

#### Compact Multiband 2G/3G/4G/IoT/GNSS Mobile Antenna

Full omni-directional multiband antenna for through-hole roof mounting. Especially made for demanding mobile communication applications on trucks and buses.

- 10 BANDS IN ONE INSTALLATION (LTE/GSM/UMTS/WLAN/GNSS)
- LOW PROFILE DESIGN
- ACTIVE GNSS ANTENNA
- WIFI-6E AND WIFI-7 COMPATIBLE
- WIDE RANGE OF EXTENSION CABLES AVAILABLE (NOT INCLUDED)

#### 790 - 869 MHz, 824 - 894 MHz, 890 - 960 MHz, 1710 - 1880 MHz, Frequency 1850 - 1990 MHz, 1850 - 2170 MHz, 2412 - 2484 MHz, 2500 - 2690 MHz, 4915 - 7125 MHz, 1561.1 - 1605.4 MHz Bandwidth See "FREQUENCY" Impedance 50 Ohm VSWR < 2.5 (790-960 MHz), < 2.0 (1710-2170), < 2.5 (2500-2690 MHz) Satellite System GLONASS, GPS, Galileo and BeiDou Polarisation Linear Gain 0 dBd, 2.15 dBi Max. Input Power 3 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, 20 mA average

### ELECTRICAL SPECIFICATIONS





## 1/3

#### SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620

Disclaimer: Here you find all products for a complete antenna system One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

### Scan-Antenna®

### Datasheet

#### MECHANICAL SPECIFICATIONS

Color	Glossy White
Weight	175 g
Diameter	124 mm
Mounting	Bolt-on with adhesive tape for effective sealing
Mounting Place	On horizontal surface (conductive or non-conductive)
Height above roof	61.5 mm
Mounting hole	Ø 13 - 20 mm
Build-in Depth	Approx. 17 mm
Materials	ASA, PCB, PE, copper, brass and stainless steel.
Operating Temperature	-40°C to +85°C
Connector	LTE/GSM/UMTS: SMA-female (Red coding on cable)
Connector2	WLAN: SMA-female (Black coding on cable)
Connector3	GNSS: FME-female (Blue coding on cable)
Cable	0.2 - 0.3 m fixed to the antenna (Extension cables not supplied - please order separately)
Ingress protection	IP66

#### **ORDERING INFORMATION**

48003-000	Antenna only
48003-001	Antenna only - Packed in polybag
48003-021	Antenna + 3 x 3m adapter cables in polybag
48003-041	Antenna + 3 x 5m adapter cables in polybag

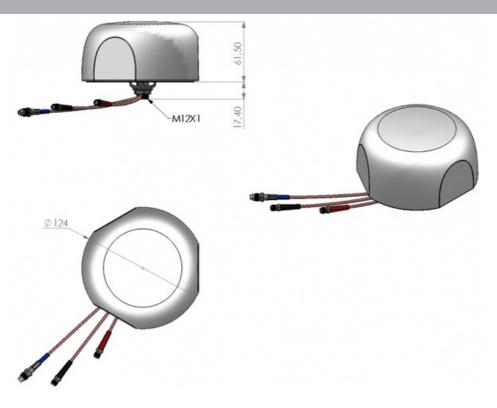
### PACKAGING INFORMATION

Туре	Polybag or bulk (See "Ordering Information")
size	150 x 150 x 150 mm
weight	Approx. 0.2 kg

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

### Scan-Antenna®

### Datasheet



SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.