

# TELESAT-8

## Rugged low-profile roof-mounted multiband antenna

Heavy duty omni-directional 8-BAND antenna with built-in active GNSS antenna for through-hole roof mounting on trucks, trailers etc.

- LOW PROFILE DESIGN
- NO GROUNDPLANE NEEDED
- 8 BANDS IN ONE INSTALLATION

## ELECTRICAL SPECIFICATIONS

Frequency	790 - 960 MHz, 1561.1 - 1605.4 MHz, 1710 - 2170 MHz, 2401 - 2485 MHz, 2500 -2690 MHz, 4915 - 5825 MHz (GSM850/GSM900/GSM1800/GSM1900/UMTS/LTE/WLAN1+2/GNSS)
Bandwidth	See "FREQUENCY"
Impedance	50 Ohm
VSWR	< 4.0:1 (790-960 MHz ), < 5.0:1 (1710-2170 MHz), < 9.0:1 (2500-2690 MHz)
Satellite System	GLONASS, GPS, Galileo and BeiDou
Polarisation	Linear
Gain	0 dBi
Max. Input Power	10 W (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



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## MECHANICAL SPECIFICATIONS

Color	Black
Height	16 mm
Weight	150 g
Diameter	Ø 92 mm
Mounting	Bolt-on with adhesive tape for effectiv sealing
Mounting Place	On horizontal surface (Max. panel thickness 3 mm with cables to the side or 12 mm with cables straight out of the antenna)
Mounting Instruction	Unobstructed view to satellites
Mounting hole	Ø 13 - 20 mm
Build-in Depth	Approx. 17 mm
Materials	ABS, brass, and PCB
Operating Temperature	-40°C to +70°C
Connector	GSM/UMTS: SMA-female (Red)
Connector2	WLAN: SMA-female (Black)
Connector3	GNSS: FME-female (Blue)
Cable	150 - 200 mm
Ingress protection	IP65 (When mounted)

## ORDERING INFORMATION

P/N	45800IP (Bulk packing)
P/N	45800 (Individually packing in Polybag)

## PACKAGING INFORMATION

Type	Bulk packing or individually packing in Polybag (See "Part No.")
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