

SENCITY® Rail antenna family

The SENCITY® Rail antenna family provides an all-in-one wireless communication solution for all type of trains.

SENCITY® Rail antennas meet the special requirements of railway applications. They provide electrical protection against the impact of a contact with the overhead line (max. 27.5 kV and max. 40 kA/100 ms).



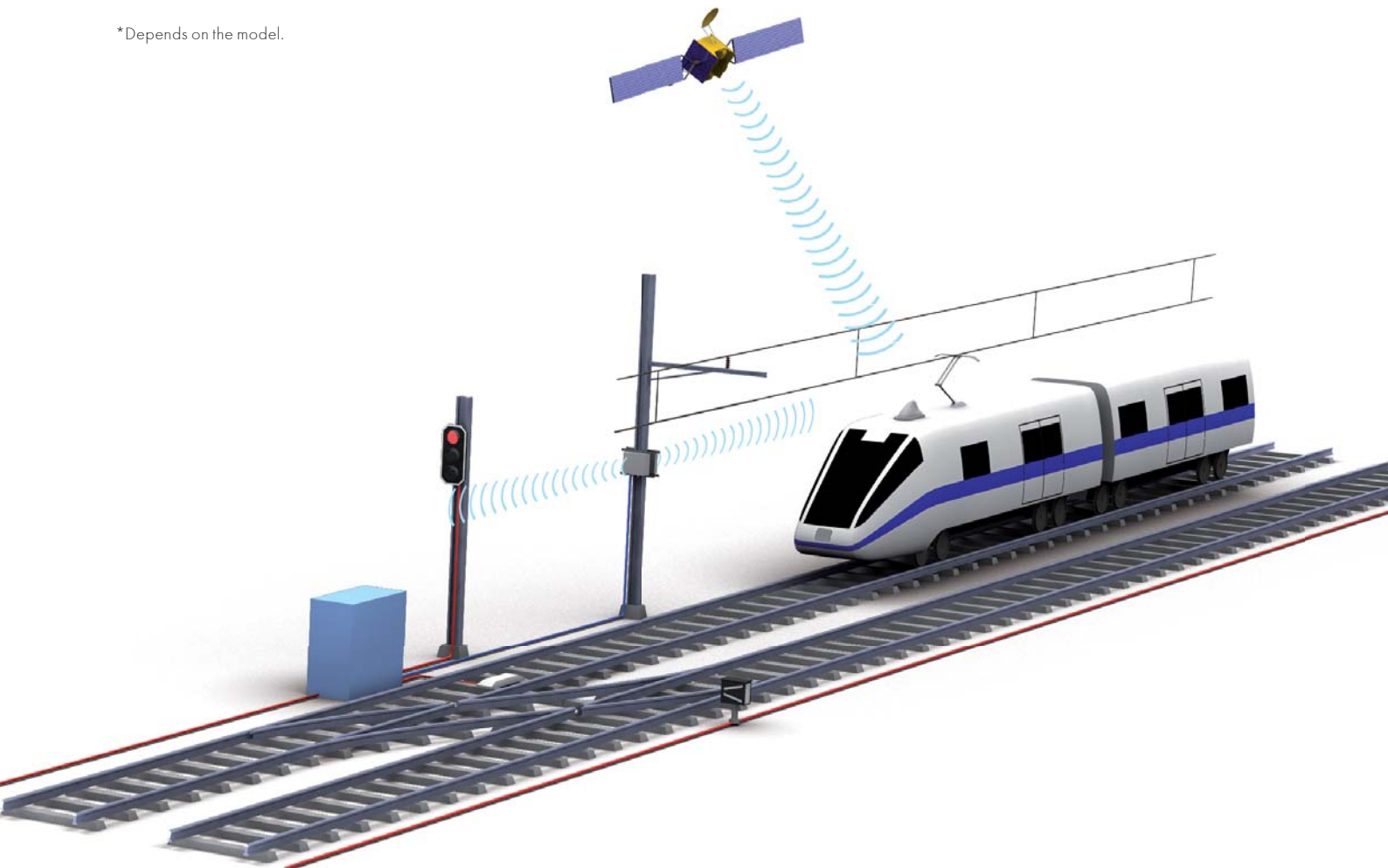
Key features:

- Omni-directional roof-top antenna with an extremely rugged mechanical design
- Multi-band support 380 MHz to 6 GHz*
- Embedded GPS/Galileo/Glonass antenna*
- Low profile version available

Target applications:

- Multi-band communication
- TETRA, AMPS, GSM, UMTS, LTE
- WiFi 2.4 and 5 GHz
- WiMAX 2.6 and 3.5 GHz
- Vehicle localization with GPS/Galileo/Glonass
- Double-deck train

*Depends on the model.



SENCITY® Rail antenna family

Type designation		Antenna family	Remarks	Freq. min. MHz	Freq. max. MHz	Gain dBi	Pol.
1399.17.0094		SWA-0459/360/4/25/V	- TETRA and LTE support - advanced mounting options	380 1710 2400 3400 4900	960 2170 2700 3700 5875	4.0 7.5 7.5 8.5 8.5	vertical
1399.99.0026		SWA-0459/360/4/25/DFRX30	- TETRA and LTE support - embedded GPS antenna with integrated LNA - advanced mounting options	380 1710 2400 3400 4900 1574	960 2170 2700 3700 5875 1576	4.0 7.5 7.5 8.5 8.5	vertical
1399.17.0122		SWA-0859/360/4/0/V_3	- LTE support - advanced mounting options	698 1710 2400 3400 4900	960 2170 2700 3700 5935	6.0 8.5 9.5 9.5 8.5	vertical
1399.99.0120		SWA-0859/360/4/0/DFRX30_2	- LTE support - embedded GPS antenna with integrated LNA - advanced mounting options	698 1710 2400 3400 4900 1574	960 2170 2700 3700 5935 1576	6.0 8.5 9.5 9.5 8.5	vertical
1399.99.0121		SWA-0859/360/4/0/DFRX30_3	- LTE support - embedded GPS/Glonass antenna with integrated LNA - advanced mounting options	790 1710 2400 3400 4900 1574	960 2170 2700 3700 5935 1610	6.0 8.5 9.5 9.5 8.5	vertical
1399.17.0222		SWA-0759/360/6/0/MIMO	- LTE 2 x 2 MIMO support - advanced mounting options	698 1710 2400 4900	960 2170 2700 5935	5.0 8.0 8.0 8.5	vertical
1399.99.0130		SWA-0759/360/6/0/MIMO	- LTE 2 x 2 MIMO support - advanced mounting options - embedded GPS/Glonass antenna with integrated LNA	698 1710 2400 4900 1574	960 2170 2700 5935 1610	5.0 8.0 8.0 8.5	vertical
1399.17.0125		SWA-0825/360/5/30/V	- low profile (40 mm)	790 1710 2400	960 2170 2700	5.0 6.5 7.0	vertical
1399.99.0037		SWA-0825/360/5/30/DFRX30	- low profile (40 mm) - embedded GPS antenna with integrated LNA	790 1710 2400 1574	960 2170 2700 1576	5.0 6.5 7.0	vertical
1399.17.0135		SWA-0825/360/5/30/MIMO	- LTE 2 x 2 MIMO - low profile (40 mm)	790 1710 2400	960 2170 2700	5.0 6.5 7.0	vertical
1399.99.0057		SWA-0825/360/5/30/MIMO	- LTE 2 x 2 MIMO - low profile (40 mm) - embedded GPS antenna with integrated LNA	790 1710 2400 1574	960 2170 2700 1576	5.0 6.5 7.0	vertical