

The background of the entire page is an aerial photograph of a large, multi-level highway interchange. Overlaid on this image are several glowing green arcs and points, resembling a network or data transmission diagram. These lines connect various points across the highway system, symbolizing data flow. On the left side of the image, there is a vertical green bar with a wavy, dynamic pattern.

Automotive **Data transmission**

Edition 04/2025

SENCITY® Road MULTI



Product name	SENCITY® Road MULTI with 4×4 Cellular and 4×4 Wi-Fi MIMO and Dualband GNSS
Product ID.	1399.99.0415
Description	Rugged multi-element and multi-band rooftop antenna for any kind of installation on buses, trucks or any other type of commercial vehicle. Omnidirectional radiation with 4×4 MIMO operation in cellular and 4×4 MIMO in Wi-Fi networks with integrated GNSS for L1, L2, L5. More variants as described on next page. • Supports 2G/3G/4G/5G cellular, Wi-Fi 2.4/5 GHz, Wi-Fi 6E. • Includes Dualband GNSS antenna & integrated LNA covering GPS L1+L2+L5/Galileo E1+E5a+E5b/BeiDou B1+B2+B3/GLONASS G1+G2 • 9 separate ports for 4×4 cellular MIMO and 4×4 Wi-Fi MIMO plus Dualband GNSS. • Meets ISO16750 automotive standard. • compliant to ECE-R118. • Single-hole mounting, easy cabling feed-through
Item no.	85185103

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular	Cellular	Cellular	Cellular
Frequency (MHz)	617 – 960	1350 – 2700	3300 – 4200	4900 – 7125
VSWR	2	2.1	2	2
Gain (dBi)	2	4	4	5
Port Isolation (dB)	9	18	15	18
	Band 5	Band 6	Band 7	Band 8/9
Band name	Wi-Fi	Wi-Fi	GNSS	GNSS
Frequency (MHz)	2400 – 2500	4900 – 7125	1164 – 1279	1559 – 1610
VSWR	2	2	1.5	1.8
Gain (dBi)	2	4	4	5
Port Isolation (dB)	9	18	15	18

Electrical data	
Impedance	50 Ohms
Number of Ports	9
Composite power max.	20 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi)

Mechanical data	
Dimensions (height × diameter)	210 × 60 mm
Weight	1.1 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ECE-R118

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

Commercial vehicle antennas
SENCITY® Road MULTI



Product name	SENCITY® Road MULTI with 8×8 Wi-Fi and Dualband GNSS
Product ID.	1399.99.0419
Description	Rugged multi-element and multi-band rooftop antenna for any kind of installation on buses, trucks or any other type of commercial vehicle. Omnidirectional radiation with 8×8 MIMO operation in Wi-Fi networks with integrated GNSS. More variants as described on next page. • Supports Wi-Fi 2.4/5 GHz, Wi-Fi 6E • Includes Dualband GNSS antenna & integrated LNA covering GPS L1+L2+L5/Galileo E1+E5a+E5b/BeiDou B1+B2+B3/GLONASS G1+G2 • 9 separate ports 8×8 Wi-Fi MIMO plus Dualband GNSS. • Meets ISO16750 automotive standard. • compliant to ECE-R118. • Single-hole mounting, easy cabling feed-through
Item no.	85192488

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Wi-Fi	Wi-Fi	GNSS	GNSS
Frequency (MHz)	2400 – 2500	4900 – 7125	1559 – 1610	1559 – 1610
VSWR	2	2	1.8	1.8
Gain (dBi)	6	6		
Port Isolation (dB)	24	24		

Electrical data	
Impedance	50 Ohms
Number of Ports	9
Composite power max.	30 Watts (see datasheet for specific bands)
Polarisation	Vertical (Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × diameter)	210 × 60 mm
Weight	1.1 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ECE-R118

Material data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ECE-R118

For more detailed information, please visit our website's "Products" section.

Commercial vehicle antennas
SENCITY® Road MULTI



Product name	SENCITY® Road MULTI with 2×2 TETRA, 4×4 Wi-Fi MIMO and Dualband GNSS
Product ID.	1399.99.0435
Description	Rugged multi-element and multi-band rooftop antenna for any kind of installation on buses, trucks or any other type of commercial vehicle. Omnidirectional radiation with 2×2 TETRA, 4×4 MIMO operation in Wi-Fi networks and with integrated GNSS. More variants as described on next page. • Supports TETRA, LTE450, 2G/3G/4G/5G cellular, Wi-Fi 2.4/5 GHz, Wi-Fi 6E. • Includes Dualband GNSS antenna & integrated LNA covering GPS L1+L2+L5/Galileo E1+E5a+E5b/BeiDou B1+B2+B3/GLONASS G1+G2 • 7 separate ports for 2×2 TETRA/cellular and 4×4 Wi-Fi MIMO plus Dualband GNSS. • Meets ISO16750 automotive standard. • compliant to ECE-R118. • Single-hole mounting, easy cabling feed-through
Item no.	85192512

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	TETRA/LTE450	Cellular	Cellular	Cellular
Frequency (MHz)	380 – 470	694 – 960	1350 – 2700	3300 – 4200
VSWR	2.5	2.0	2.0	2.0
Gain (dBi)	3	2	4	4
Port Isolation (dB)	3	8	15	20
	Band 5	Band 6	Band 7	Band 8/9
Band name	Cellular	Wi-Fi	Wi-Fi	GNSS
Frequency (MHz)	4900 – 7125	2400 – 2500	4900 – 7125	1164 – 1279 / 1559 – 1610
VSWR	2.0	2.0	2.0	1.5 / 1.8
Gain (dBi)	5	6	6	
Port Isolation (dB)	20	20	20	

Electrical data	
Impedance	50 Ohms
Number of Ports	7
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (TETRA and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × diameter)	210 × 60 mm
Weight	1.1 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ECE-R118

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

SENCITY® Road MULTI antenna portfolio

Product ID	Item number	Cellular	Wi-Fi	TETRA	GNSS
1399.19.0400	85192445	2			
1399.99.0401	85192444	2			L1+L2+L5
1399.99.0400	85192448	2			L1
1399.19.0402	85192449	2	2		
1399.99.0403	85192450	2	2		L1+L2+L5
1399.99.0402	85192465	2	2		L1
1399.19.0404	85192466	2	3		
1399.99.0405	85192467	2	3		L1+L2+L5
1399.99.0404	85192468	2	3		L1
1399.19.0406	85192469	2	4		
1399.99.0407	85192470	2	4		L1+L2+L5
1399.99.0406	85192471	2	4		L1
1399.19.0408	85192472	4			
1399.99.0409	85192473	4			L1+L2+L5
1399.99.0408	85192474	4			L1
1399.19.0410	85192475	4	2		
1399.99.0411	85192477	4	2		L1+L2+L5
1399.99.0410	85192478	4	2		L1
1399.19.0412	85192479	4	3		
1399.99.0413	85192480	4	3		L1+L2+L5
1399.99.0412	85192481	4	3		L1
1399.19.0414	85192482	4	4		
1399.99.0415	85185103	4	4		L1+L2+L5
1399.99.0414	85192483	4	4		L1
1399.19.0416	85192484		6		
1399.99.0417	85192485		6		L1+L2+L5
1399.99.0416	85192486		6		L1
1399.19.0418	85192487		8		
1399.99.0419	85192488		8		L1+L2+L5
1399.99.0418	85192489		8		L1
1399.19.0420	85192490			1	
1399.99.0421	85192491			1	L1+L2+L5
1399.99.0420	85192492			1	L1
1399.19.0422	85192493		2	1	
1399.99.0423	85192495		2	1	L1+L2+L5
1399.99.0422	85192496		2	1	L1
1399.19.0424	85192497		3	1	
1399.99.0425	85192498		3	1	L1+L2+L5
1399.99.0424	85192499		3	1	L1
1399.19.0426	85192500		4	1	
1399.99.0427	85192501		4	1	L1+L2+L5
1399.99.0426	85192502		4	1	L1
1399.19.0428	85185149			2	
1399.99.0429	85192503			2	L1+L2+L5
1399.99.0428	85192504			2	L1
1399.19.0430	85192505		2	2	
1399.99.0431	85192506		2	2	L1+L2+L5
1399.99.0430	85192507		2	2	L1

SENCITY® Road MIMO



Product name	SENCITY® Road MIMO with 2x2 Cellular, 2x2 Wi-Fi and L1 GNSS
Product ID.	1399.99.0118
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports 2x2 MIMO for 2G/3G/4G/5G cellular and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands • Embedded GNSS antenna with integrated low-noise amplifier • 5 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85090876

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular	Cellular	Cellular	Cellular
Frequency (MHz)	694 – 790	790 – 960	1710 – 2170	2400 – 2690
VSWR	1.8	1.7	1.7	2
Gain (dBi)	4	4	5	6
Port Isolation (dB)	10	10	12	10
	Band 5	Band 6	Band 7	Band 8/9
Band name	Wi-Fi	Cellular	Wi-Fi	GNSS
Frequency (MHz)	2400 – 2690	3400 – 3800	4900 – 7125	1559 – 1610
VSWR	2	1.7	1.8	1.8
Gain (dBi)	5.5	6	7	
Port Isolation (dB)	18	18	25	

Electrical data	
Impedance	50 Ohms
Number of Ports	5
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × width × depth)	98 × 83 × 208 mm
Weight	0.5 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

Commercial vehicle antennas
SENCITY® Road MIMO



Product Family	SENCITY® Road MIMO with 2×2 Cellular
Product ID.	1399.99.0179
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports 2G/3G/4G/5G cellular in 2×2 MIMO configuration. • 2 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85152321

Technical data	Band 1	Band 2	Band 3
Band name	Cellular	Cellular	Cellular
Frequency (MHz)	694 – 790	790 – 960	1710 – 2170
VSWR	1.8	1.8	1.8
Gain (dBi)	4	4.5	5
Port Isolation (dB)	12	12	15
	Band 4	Band 5	Band 6
Band name	Cellular	Cellular	Cellular
Frequency (MHz)	2400 – 2690	3400 – 3800	4900 – 7125
VSWR	1.8	1.6	1.6
Gain (dBi)	5	6	6.5
Port Isolation (dB)	16	18	19

Electrical data	
Impedance	50 Ohms
Number of Ports	2
Composite power max.	20 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular)

Mechanical data	
Dimensions (height × width × depth)	98 × 83 × 208 mm
Weight	0.5 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

Commercial vehicle antennas
SENCITY® Road MIMO



Product Family	SENCITY® Road MIMO with 2×2 Cellular and L1 GNSS
Product ID.	1399.99.0180
Description	Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck. Meets specific requirements for automotive use. Can be used as the wireless interface for multi-band communication on buses, trucks and heavy-duty vehicles. • Supports 2G/3G/4G/5G cellular in 2×2 MIMO configuration plus GNSS. • Embedded GNSS antenna with integrated low-noise amplifier • 3 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85151777

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular / Wi-Fi	Cellular / Wi-Fi	Cellular / Wi-Fi	Cellular / Wi-Fi
Frequency (MHz)	694 – 790	790 – 960	1710 – 2170	2400 – 2690
VSWR	1.8	1.8	1.8	1.8
Gain (dBi)	4	4.5	5	5
Port Isolation (dB)	12	12	15	18
	Band 5	Band 6	Band 7	
Band name	Cellular / Wi-Fi	Cellular / Wi-Fi	GNSS	
Frequency (MHz)	3400 – 4200	4900 – 7125	1559 – 1610	
VSWR	1.7	1.6	1.8	
Gain (dBi)	6	6.5		
Port Isolation (dB)	15	19		

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	20 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular / Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × width × depth)	98 × 83 × 208 mm
Weight	0.5 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ECE-R118, ISO 16750, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

Commercial vehicle antennas
SENCITY® Road MIMO



Product Family	SENCITY® Road MIMO with 3x3 Wi-Fi
Product ID.	1399.99.0178
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports MIMO for Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands in 3x3 configuration. • 3 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85158316

Technical data	Band 1	Band 2
Band name	Wi-Fi	Wi-Fi
Frequency (MHz)	2400 – 2690	4900 – 7125
VSWR	2.0	2.0
Gain (dBi)	6	7
Port Isolation (dB)	14	22

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Wi-Fi)

Mechanical data	
Dimensions (height × width × depth)	82 × 83 × 208 mm
Weight	0.41 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

SENCITY® Road



Product name	SENCITY® Road with Cellular, Wi-Fi, GNSS, and Stick-option
Product ID.	1399.99.0175
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports 2G/3G/4G/5G cellular and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands and GNSS. • Stick antenna option for TETRA, VHF, etc. • Embedded GNSS antenna with integrated low-noise amplifier • 3 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85158713

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular	Cellular	Cellular	Wi-Fi
Frequency (MHz)	694 – 790	790 – 960	1710 – 2690	1710 – 2690
VSWR	2.1	1.8	2	1.8
Gain (dBi)	5	5	4	6
Port Isolation (dB)	25	25	25	25
	Band 5	Band 6	Band 7	Band 8/9
Band name	Cellular	Wi-Fi	GNSS	Socket
Frequency	3400 – 3800 MHz	4900 – 7125 MHz	1559 – 1610 MHz	
VSWR	2	2	1.8	
Gain (dBi)	6	7		
Port Isolation (dB)	25	25		

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × width × depth)	82 × 83 × 208 mm
Weight	0.41 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

SENCITY® Road

Product name	SENCITY® Road with Cellular, Wi-Fi and L1 GNSS
Product ID.	1399.99.0176
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports 2G/3G/4G/5G cellular and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands and GNSS. • Embedded GNSS antenna with integrated low-noise amplifier • 3 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85158714

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular	Cellular	Cellular	Wi-Fi
Frequency (MHz)	694 – 790	790 – 960	1710 – 2690	1710 – 2690
VSWR	2.1	1.8	2	1.8
Gain (dBi)	5	5	4	6
Port Isolation (dB)			20	20
	Band 5	Band 6	Band 7	
Band name	Cellular	Wi-Fi	GNSS	
Frequency (MHz)	3400 – 3800	4900 – 7125	1559 – 1610	
VSWR	2	2	1.8	
Gain (dBi)	5	5	5	
Port Isolation (dB)	25	25		

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × width × depth)	82 × 83 × 208 mm
Weight	0.41 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

SENCITY® Road

Product name	SENCITY® Road with TETRA, Wi-Fi and L1 GNSS
Product ID.	1399.99.0177
Description	Rugged vehicle rooftop multi-band antenna can be used as the wireless interface for communication systems on bus, truck and other heavy-duty vehicles. It meets the specific requirements for automotive use. • Supports TETRA and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands and GNSS. Stick antenna option for Cellular, VHF, etc. • Embedded GNSS antenna with integrated low-noise amplifier • 3 elements in one housing and single-hole mounting • ISO 16750, ECE-R118 compliant • Works without metal ground plane
Item no.	85158715

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	TETRA	Wi-Fi	Wi-Fi	GNSS
Frequency (MHz)	410 – 430	2400 – 2690	4900 – 7125	1559 – 1610
VSWR	2	1.8	1.8	1.8
Gain (dBi)	4	7	7	
Port Isolation (dB)	20	20	20	

Electrical data	
Impedance	50 Ohms
Number of Ports	3 (plus 1 spare slot for a stick antenna)
Composite power max.	30 – 40 Watts (see datasheet for specific bands)
Polarisation	Vertical (TETRA and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × width × depth)	82 × 83 × 208 mm
Weight	0.41 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.



SENCITY® Road Low Profile



Product name	SENCITY® Road Low Profile with Cellular, Wi-Fi and L1 GNSS
Product ID.	1399.99.0194
Description	Compact omni-directional rooftop antenna for commercial vehicles offering SISO cellular functionality plus Wi-Fi and GNSS. Meets specific requirements for automotive use. • Rugged low profile vehicle rooftop antenna for commercial vehicles like bus and truck • Supports 2G/3G/4G/5G cellular and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands and L1 GNSS. • 3 separate ports for cellular, Wi-Fi and GNSS • Meets ISO16750 automotive standard • Fire retardant acc. to ECE-R118 • Single hole mounting, easy cabling feedthrough
Item no.	85215703

Technical data	Band 1	Band 2	Band 3
Band name	Cellular	Cellular	Cellular
Frequency (MHz)	694 – 960	1710 – 2690	3400 – 3800
VSWR	2.5	2.0	2.0
Gain (dBi)	2	4	5
Port Isolation (dB)	20	15	20
	Band 4	Band 5	Band 6
Band name	Wi-Fi	Wi-Fi	GNSS
Frequency (MHz)	2400 – 2500	4900 – 7125	1559 – 1610
VSWR	2.0	2.0	1.8
Gain (dBi)	5	6.0	
Port Isolation (dB)	15	20	

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	25 – 30 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × diameter)	33.2 × 145 mm
Weight	0.3 kg
Connector	1 × SMA, plug (male), 1 × TNC, plug (male)

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)

For more detailed information, please visit our website's "Products" section.

SENCITY® Road Low Profile

Product name	SENCITY® Road Low Profile with 2x2 Cellular and L1 GNSS
Product ID.	1399.99.0195
Description	Compact omni-directional rooftop antenna for commercial vehicles offering MIMO cellular functionality plus GNSS. Meets specific requirements for automotive use. • Rugged low profile vehicle rooftop antenna for commercial vehicles like bus and truck • Supports 2G/3G/4G/5G cellular and and L1 GNSS. • 3 separate ports for 2x2 cellular and GNSS • Meets ISO16750 automotive standard • Fire retardant acc. to ECE-R118 • Single hole mounting, easy cabling feedthrough
Item no.	85191553

Technical data	Band 1	Band 2	Band 3	Band 4
Band name	Cellular	Cellular	Cellular	GNSS
Frequency (MHz)	694 – 960	1710 – 2690	3400 – 3800	1559 – 1610
VSWR	2.5	2.0	2.0	1.8
Gain (dBi)	2	4	5	
Port Isolation (dB)	5	12	10	

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	25 – 30 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular) and circular right (GNSS)

Mechanical data	
Dimensions (height x diameter)	33.2 x 145 mm
Weight	0.3 kg
Connector	1 x SMA, plug (male), 1 x TNC, plug (male)

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, ECE-R10, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)

For more detailed information, please visit our website's "Products" section.

SENCITY® Road Low Profile

Product name	SENCITY® Road Low Profile with Cellular, Wi-Fi and L1 GNSS
Product ID.	1399.99.0196
Description	Compact omni-directional rooftop antenna for commercial vehicles offering MIMO cellular functionality plus Wi-Fi. Meets specific requirements for automotive use. • Rugged low profile vehicle rooftop antenna for commercial vehicles like bus and truck • Supports 2G/3G/4G/5G cellular and Wi-Fi 2.4/5 GHz, Wi-Fi 6E bands. • 3 separate ports for 2x2 cellular, Wi-Fi • Meets ISO16750 automotive standard • Fire retardant acc. to ECE-R118 • Single hole mounting, easy cabling feedthrough
Item no.	85215704

Technical data	Band 1	Band 2	Band 3
Band name	Cellular	Cellular	Cellular
Frequency (MHz)	694 – 960	1710 – 2690	3400 – 3800
VSWR	2.5	2.0	2.0
Gain (dBi)	2	4	5
Port Isolation (dB)	5	12	10
	Band 4	Band 5	
Band name	Wi-Fi	Wi-Fi	
Frequency (MHz)	2400 – 2500	4900 – 7125	
VSWR	2.0	2.0	
Gain (dBi)	5	6.0	
Port Isolation (dB)	12	20	

Electrical data	
Impedance	50 Ohms
Number of Ports	3
Composite power max.	25 – 30 Watts (see datasheet for specific bands)
Polarisation	Vertical (Cellular and Wi-Fi) and circular right (GNSS)

Mechanical data	
Dimensions (height × diameter)	33.2 × 145 mm
Weight	0.3 kg
Connector	1 × SMA, plug (male), 1 × TNC, plug (male)

Environmental data	
Environmental conditions	outdoor
IP rating	IP68, IP69k
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118, E-Mark, CE-Mark

Material data	
Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)

For more detailed information, please visit our website's "Products" section.

SENCITY® Road VHF



Product name	SENCITY® Road VHF antenna
Product ID.	K5022211-R / K5022221-R
Description	The SENCITY® Road VHF antenna is designed for applications in the 2-meter band. • 3-hole installation • Frequency bands from 143 MHz to 178 MHz • Meets EN 50155 standard • Fire retardant according to EN 45545 • ECE-R118 approved
Item no.	85164939 / 85164941

Technical data	Band 1
Band name	VHF
Frequency (MHz)	143 – 162 / 152 – 178
VSWR	2

Electrical data	
Impedance	50 Ohms
Number of Ports	1
Composite power max.	100 Watts
Polarisation	Vertical

Mechanical data	
Dimensions (height × width × depth)	225 x 252 x 126 mm
Weight	1.2 kg

Environmental data	
Environmental conditions	outdoor
IP rating	IP66
RoHS 2011/65/EU	compliant
Certifications	EN50155, EN45545, ECE-R118

Material data	
Radome colour	Grey
Radome material	Glass Reinforced Plastic (GRP)
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.

SENCITY® Road PUCK



Product name	SENCITY® Road PUCK antenna
Product ID.	K7023231 / K7023211
Description	This SENCITY® Road antenna is in a PUCK form factor and designed for connection in SISO applications in 400 MHz bands / TETRA. • Single-hole mounting • 70mm height • Frequency bands 406-428 MHz and 440-470 MHz • Supports TETRA • Meets EN50155 standard • ECE-R118 approved
Item no.	84459192 / 84465799

Technical data	Band 1
Band name	TETRA
Frequency (MHz)	406 – 428 / 440 – 470
VSWR	<1.9 / <1.7

Electrical data	
Impedance	50 Ohms
Number of Ports	1
Polarisation	Vertical

Mechanical data	
Dimensions (height × diameter)	70 x 110 mm
Weight	0.4 kg

Environmental data	
Environmental conditions	outdoor
RoHS 2011/65/EU	compliant
Certifications	ISO 16750, ECE-R118

Material data	
Radome colour	black
Radome material	High impact plastic
Back plate / base plate material	Aluminum

For more detailed information, please visit our website's "Products" section.



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HUBER+SUHNER is certified to ISO 9001, ISO 14001, ISO 45001, EN/AS 9100, IATF 16949 and ISO/TS 22163-IRIS.

Waiver

The facts and figures provided herein are for information only and do not represent any warranty of any kind.