

IG41 Industrial Gateway

ANTENNA ACCESSORIES

Array Antenna

ACC-AANT-CBLG



LTE RF Specifications

Frequency Range: 698~960MHz / 1690~2170 MHz / 2500~2690MHz

Polarization: Linear

HPBW / Horizontal: 360°

HPBW / Vertical: 90°

Peak Gain: 0.5 dBi / 5.6 dBi / 6.5 dBi Max.(exclude cable loss)

Efficiency: 50% typ.

VSWR: 4.0:1 (max) / 2.5:1 (max) / 2.5:1 (max)

Power Handling: 2W(cw)

Impedance: 50 Ohms

Connector: SMA Plug

WiFi RF Specifications

Frequency Range: 2400~2500MHz / 5150~5875 MHz

Peak Gain: 4.8 dBi / 9.6 dBi Max.(exclude cable loss)

Efficiency: 55% / 75% typ.

Connector: RP-SMA Plug

LoRa RF Specifications

Frequency Range: 863~870MHz / 902~928 MHz

Peak Gain: 3.0 dBi / 3.5 dBi Max.(exclude cable loss)

Efficiency: 60% typ.

Connector: SMA Plug

GPS/GLONASS Antenna Specification

Center Frequency: 1565.42~1605.89MHz

Bandwidth (10dB return loss): 27 MHz typ.

Gain at Zenith (90°): 1.2dBic @1.575MHz / 2.0dBic@1602MHz

Polarization: R.H.C.P

Connector: SMA Plug

Enclosure

Dimensions: 240.0 × 65.6 × 38.7 mm

Temperature: -40°C to +85°C

Humidity: 95% @55°C

Waterproof Rating: IPX7

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ANTENNA ACCESSORIES

Directional Antenna

ACC-DANT-C



LTE RF Specifications

Frequency Range: 699~960MHz/1690~2170MHz/2500~2690MHz

Polarization: +/-45 deg

HPBW (+45°):

64~68° at 699~824 MHz

60~64° at 824~960 MHz

38~42° at 1690~2170 MHz

30~35° at 2500~2690 MHz

HPBW (-45°):

64~68° at 699~824 MHz

60~64° at 824~960 MHz

38~42° at 1690~2170 MHz

30~35° at 2500~2690 MHz

Gain:

8 dBi at 699~824 MHz

7 dBi at 824~960 MHz

10 dBi at 1690~2170 MHz

12 dBi at 2500~2690 MHz

VSWR: 2.0 typ; 3.0max

Isolation: >15 dB

Power Handling: 2W(cw)

Impedance: 50 Ohms

Connector: N Jack

Dimensions: 320 × 320 × 65 mm

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ANTENNA ACCESSORIES

Individual Antenna Set

LTE Stick



ACC-IANT-CBLG

RF Specifications

Frequency Range: 617~698 / 698~960 / 1690~2170 / 2300~2690 MHz

Polarization: Linear, Vertical

HPBW / Horizontal: 360°

HPBW / Vertical: 60°

Peak Gain: 0.9 dBi Max. / 0.9 dBi Max. / 2.5 dBi Max. / 3.8 dBi Max.

Efficiency: 45% typ. / 53% typ. / 60% typ. / 51% typ.

VSWR: 4.0:1 (max) / 4.0:1 (max) / 2.5:1 (max) / 2.5:1 (max)

Power Handling: 2W(cw)

Impedance: 50 Ohms

Connector: SMA Plug

GPS Stick



GPS/GLONASS Antenna Specification

Center Frequency: 1575.42~1602MHz

Bandwidth (10dB return loss): 8 MHz min. @ GPS Band, 9MHz min.@ GLONASS Band

Gain at Zenith: 1.7dBic @1.575.42MHz / 1.9dBic@1602MHz

Polarization: R.H.C.P

Cable: RG-174, 1.5m

Connector: SMA-Plug

WiFi Stick



RF Specifications

Frequency Range: 2400~2500 / 5150~5850 MHz

Polarization: Linear, Vertical

HPBW / Horizontal: 360°

HPBW / Vertical: 30°

Peak Gain: 2.2 dBi Max. / 6.2 dBi Max.

Efficiency: 79% typ. / 77% typ.

VSWR: 2.0:1 (max)

Power Handling: 2W(cw)

Impedance: 50 Ohms

Connector: RP-SMA Plug

IG41 Industrial Gateway

ANTENNA ACCESSORIES

Individual Antenna Set (Con't)

ACC-IANT-CBLG

LoRa Stick

RF Specifications



Frequency Range: 863~870 / 902~928 MHz

Polarization: Linear, Vertical

HPBW / Horizontal: 360°

HPBW / Vertical: 45°

Peak Gain: 0.1dBi Max. / 0.7 dBi Max.

Efficiency: 55% typ. / 65% typ.

VSWR: 2.5 typ.

Power Handling: 2W(cw)

Impedance: 50 Ohms

Connector: SMA Plug

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ADDITIONAL ACCESSORIES

CAN Cable CBL-IG-CCAN

Din Rail Power Supply ACC-IG-CPS

Wall Adapter PSU and Cable ACC-IG-CWPS