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Anti-Jamming Technology

The Wall-E8M Anti-Jamming Antenna

The purpose of using the Wall-E8M anti-jamming antenna is to ensure stable reception of the navigation signal in conditions of staged interference. The Wall-E8M contains 8 antenna elements that are connected to the multi-band GNSS jamming suppressor. The Wall-E8M is connected to the GNSS receiver via a high-frequency connector. The GNSS receiver must be able to receive bands GALILEO E1 + GPS L1 + BDS B1 from global navigation satellite systems (GNSS).

Specification

Receive GNSS:
GLONASS L1 + GALILEO E1 + GPS L1 + BDS B1
Interference Rejection:
GALILEO E1 + GPS L1 + BDS B1
Antenna Array (Antennas Element): 8
Anti-Jamming: 90-95 dB for 1 jam/80 dB for 3 jam
Power Supply: 18-24 V
Power Consumption: 20 W
RF Connector: TNC
Power Connector: JY27496
Weight: 900 g
Size: 210 x 210 x 35 mm
Temperature: -40°C to +85°C

Advantages

- **Up-converter RF output for external GNSS receivers**
- **Up to 95 dB J/S performance with external third party GNSS receiver**
- **Small size: 210 mm × 210 mm x 35 mm**
- **Low power consumption: less than 20.0 W**

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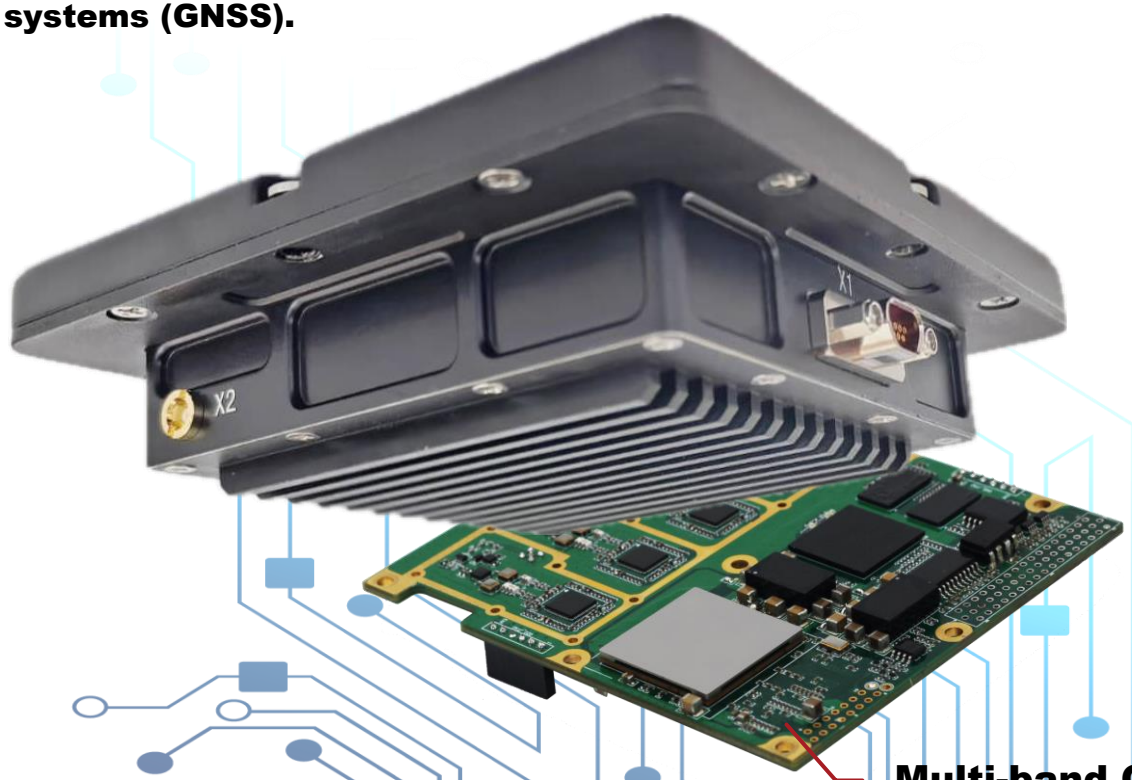
The Wall-E4M Anti-Jamming Antenna

The purpose of using the Wall-E4M anti-jamming antenna is to ensure stable reception of the navigation signal in conditions of staged interference. The Wall-E4M contains 4 antenna elements that are connected to the multi-band GNSS jamming suppressor. The Wall-E4M is connected to the GNSS receiver via a high-frequency connector. The GNSS receiver must be able to receive bands GALILEO E1 + GPS L1 + BDS B1 from global navigation satellite systems (GNSS).



Specification

Receive GNSS:
GLONASS L1 + GALILEO E1 + GPS L1 + BDS B1
Interference Rejection:
GALILEO E1 + GPS L1 + BDS B1
Antenna Array (Antennas Element): 4
Anti-Jamming: 70-80 dB for 1 jam/60 dB for 3 jam
Power Supply: 18-24 V
Power Consumption: 12 W
RF Connector: SMA
Power Connector: J30J
Weight: 300 g
Size: 100 x 100 x 29 mm
Temperature: -40ºC to +85ºC

Multi-band GNSS jamming suppressor

Advantages

- **Up-converter RF output for external GNSS receivers**
- **Up to 80 dB J/S performance with external third party GNSS receiver**
- **Small size: 100 mm × 100 mm x 29 mm**
- **Low power consumption: less than 12.0 W**

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