RIMCO JSC
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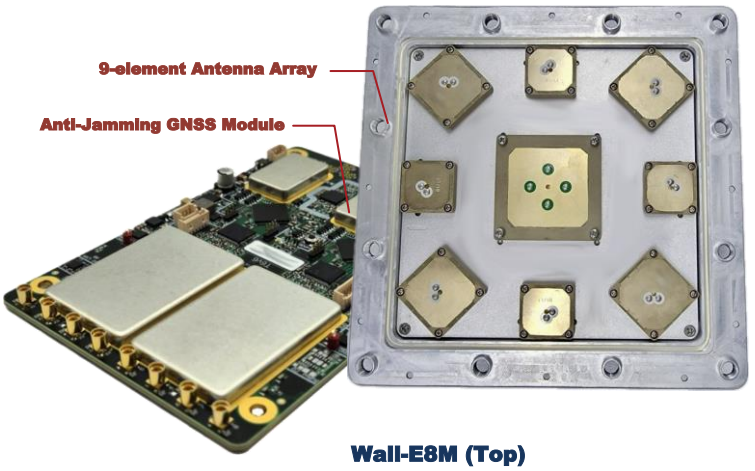
Anti-Jamming & Anti-Spoofing Technology
Wall-E16M/Wall-E8M/Wall-E4M1 Series
GNSS Controlled Reception Pattern Antenna (CRPA)

RIMCO JSC Wall-E16M/Wall-E8M/Wall-E4M1 anti-jamming GNSS CRPA canmitigate/nullone interference or jamming signals in Global Navigation Satellite System (GNSS) bands offer higher protection against electronic warfare systems threats.
U.S. military has the technical ability to limit or deny GPS access through Selective Availability.
IRNSS L5/S and GLONASS L1/L2 band capability enables this RIMCO's CRPA's to use not only in industrial but also in many critical military applications.
In the realm of CRPA antennas, the S-Band is not just a frequency range, a cornerstone for critical advancements and innovations expected to shape the future. We're standing on the brink of a transformative era, with the S-band at its heart.
Battle-tested, these only russian homegrown Wall-E16M/ Wall-E8M/Wall-E4M1 anti-jamming systems have proven their effectiveness. Our CRAPs are not subject to any rules International Traffic in Arms Regulations (ITAR).

Make in Russia



Wall-E8M (Top)

Supports IRNSS/NavIC L5 1176.45 MHz and S 2492.028 MHz

Wall-E16M Specifications

Receive GNSS and Interference Rejection:
IRNSS L5/S + GLONASS L1+ GPS L1+BDS B1
Antenna Array: Flat or Conformal (option)
Antenna Array: 16 element
Simultaneous Independent Nulling: 15
Delivers Anti-Jamming Performance:
100 dB for 1 jammer (with GNSS receiver)
75 dB for 15 jammer
Power Supply: 12 V DC
Power Consumption: 30 W
RF Connector: SMA-F
Power Connector: J30J
Weight: 1400 g
Size: 200 x 260 x 37 mm
Temperature: -40°C to +85°C
Environmental Tests: MIL-STD-810G
EMI / EMC: MIL-STD-461F
Cooling: Convection

APPLICATION AREAS

Aircraft/Helicopters/UAV's
Armored Vehicles
Naval Platforms

Wall-E8M Specifications

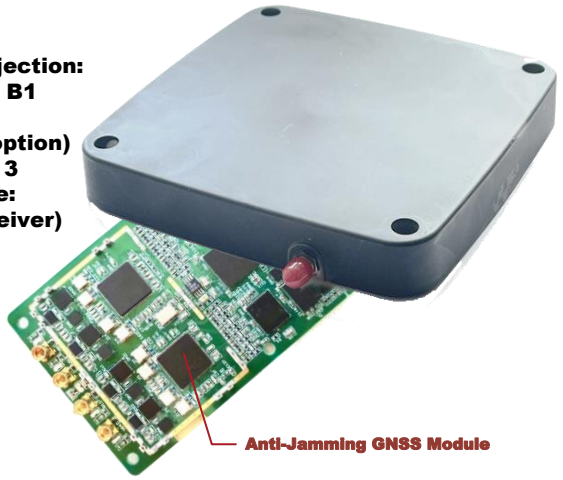
Receive GNSS:
IRNSS L5/S*/GLONASS L1/GPS L1/BDS B1
Interference Rejection:
GALILEO E1/GPS L1/BDS B1 (option 1)
GLONASS L1/GLONASS L2 (option 2)
Antenna Array (Antennas Element): 9
Simultaneous Independent Nulling: 7
Delivers Anti-Jamming Performance:
95 dB for 1 jammer (with GNSS receiver)
80 dB for 3 jammer
Power Supply: 12 V DC
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
Cooling: Convection

Wall-E16M (bottom)

Option: Embedded GNSS Receiver support
L5/S band IRNSS, L1/L2 GLONASS and L1/L2/L5 GPS

Wall-E4M1 Specifications

Receive GNSS and Interference Rejection:
IRNSS L5/GLONASS L1/GPS L1/BDS B1
Antenna Array: 4 or 5 element
Antenna Array: Flat or Conformal (option)
Simultaneous Independent Nulling: 3
Delivers Anti-Jamming Performance:
90 dB for 1 jammer (with GNSS receiver)
75 dB for 3 jammer
Power Supply: 5-9 V DC
Power Consumption: 5 W
RF Connector: SMA-F
Power Connector: J30J
Weight: 100 g
Size: 60 x 60 x 20 mm
Temperature: -40°C to +85°C
Cooling: Convection



Wall-E4M

Performance: Actual performance for specific threat environments varies and is classified.
Contact us for more information info@rimco.ru

Advantages

- **New Age Military Technologies**
- **Supports S/L5 Band IRNSS and L1/L2 Band GLONASS**
- **Embedded Multi-Band Anti-Jamming OEM GNSS Module**
- **Up to 100 dB J/S performance with external third party GNSS receiver (example Trimble BD9250s)**
- **Units employ rugged design which offers high reliability (high MTBF) and low Life-Cycle-Cost**
- **Export Control: ITAR FREE**

info@rimco.ru
Release #09

RIMCO JSC is a Russian electronics company specializing in the development and production of anti-jamming systems or Controlled Reception Pattern Antenna (CRPA) design and GNSS applications. With advanced interference mitigation algorithms (RU Patents 179 926,230 964), the Well-E4/E8/E16 delivers state-of-the-art performance while offering the smallest footprint among CRPAs in its class. Our team brings together decades of experience in RF and microwave engineering, ensuring that every product meets the highest standards of quality, reliability, and performance.