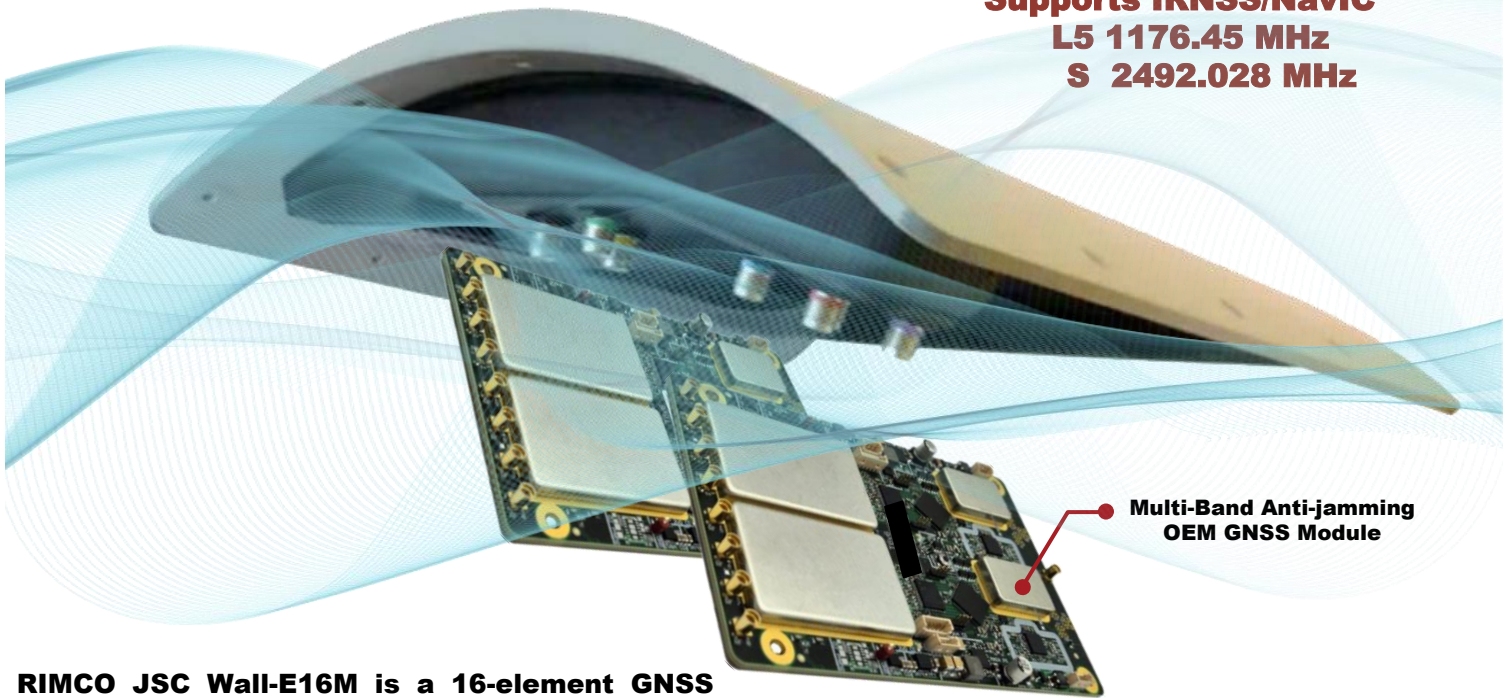


**Anti-Jamming Anti-Spoofing  
Integrated CRPA GNSS**

**Supports IRNSS/NavIC  
L5 1176.45 MHz  
S 2492.028 MHz**



RIMCO JSC Wall-E16M is a 16-element GNSS Controlled Reception Pattern Antenna (CRPA) can mitigate/null one interference or jamming signals in Global Navigation Satellite System (GNSS) bands offer higher protection against electronic warfare systems (EW) threats. Signal processing algorithms detect interference signals and amplitude and phase from each antenna element are adjusted in real-time to either to form a null in the direction of the interference source (null steering).

Battle-tested, these homegrown anti-jamming systems have proven their effectiveness. With warfare evolving, militaries worldwide are adopting electronic warfare cutting-edge systems and are continuously updating their arsenals.

**Specification**

**Receive GNSS and Interference Rejection:**

**IRNSS L5/S\* + GLONASS L1+ GPS L1+BDS B1**

**Antenna Array: 16 element**

**Simultaneous Independent Nulling: 15**

**J/S Performance: 100 dB for 1 jammer (with GNSS receiver)  
75 dB for 15 jammer**

**Power Supply: 12 V**

**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**

RIMCO JSC, recognizing CRPAs growing significance, has prioritized their development over the past decade.

Our Wall-E16 CRPAs are not subject to any rules International Traffic in Arms Regulations or Export Administration Regulations.

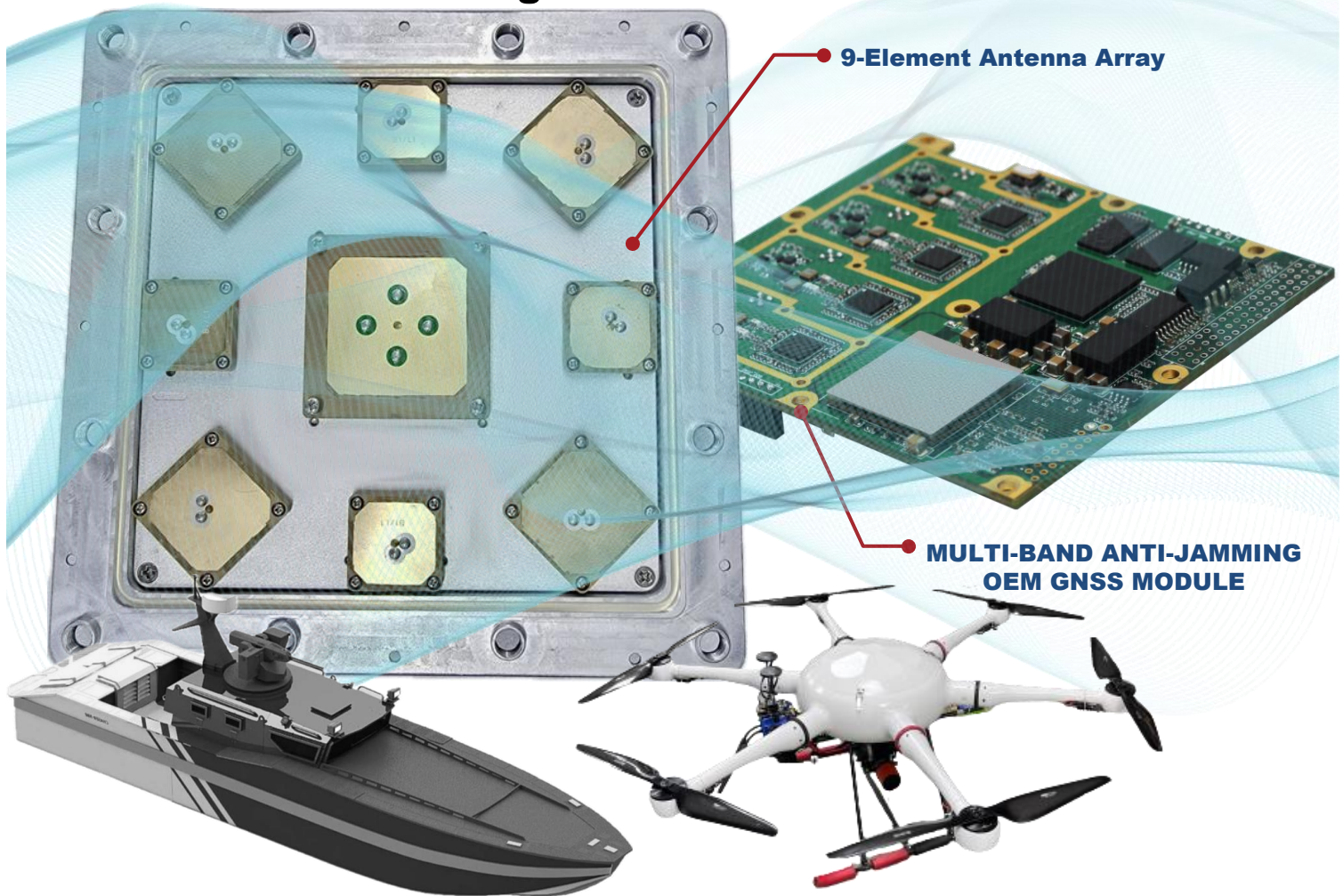
Support IRNSS or NavIC L5/S Band, GPS, Beidou, GLONASS. IRNSS L5/S and GLONASS L1 Band Capability Enables this module to use not only in Industrial but also in many critical military applications.

**APPLICATION AREAS**

- Aircraft/Helicopters/UAV's
- Armored Vehicles
- Naval Platforms

**Advantages**

- Up-converter RF output for external GNSS receivers
- Embedded Multi-Band Anti-jamming OEM GNSS Module
- Up to 100 dB J/S performance with external third party GNSS receiver (example Trimble BD9250s)
- Low power consumption: less than 30.0 W

**The Wall-E8M****Anti-Jamming Anti-Spoofing  
Integrated CRPA GNSS****9-Element Antenna Array****MULTI-BAND ANTI-JAMMING  
OEM GNSS MODULE**

**RIMCO JSC GNSS Controlled Reception Pattern Antenna (CRPA) can mitigate/ nullone interference or jamming signals in GNSS bands. The Wall E8M is a 9-element CRPA designed for band Global Navigation Satellite System (GNSS) signal reception including IRNSS or NavIC L5/S\* - band.**

**\* option**

**Specification**

**Receive GNSS:**

**GLONASS L1 + IRNSS L5/S\* + GPS L1 + BDS B1**

**Interference Rejection:**

**IRNSS L5 + GPS L1 + BDS B1**

**Antenna Array (Antennas Element): 9**

**Anti-Jamming:**

**95 dB for 1 jam**

**80 dB for 3 jam**

**Power Supply: 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**

**APPLICATION AREAS**

- Aircraft/Helicopters/UAV's
- Armored Vehicles
- Naval Platforms

**Advantages**

- Up-converter RF output for external GNSS receivers
- Up to 95 dB J/S performance with external third party GNSS receiver
- Low power consumption: less than 20.0 W