

Intellian Intelligent Mediator Gen-II

Advanced Antenna Management Solution



VSAT Antenna Mediation

The Intelligent Mediator Gen-II enables a smart approach to blockage mitigation, connection resiliency, antenna diversity and failure reduction. Up to 8 antennas can be managed at once even non Intellian antennas.

Orchestra - Advanced Management Solution

The Intelligent Mediator Gen-II provides very smart antenna management solution when integrated with the MES (Mediation Edge Server) Automated mediation is possible based on policy and condition, Asset Management and a dashboard for system status are available.

Dynamic Modem Port Allocation

Any modem up to 8 regardless of frequency band works on any port. All ports are available to any commercial band (C-/Ku-/

Ka-band) including multi-band support modem. It provides a very simple solution to link any antenna to any modem installed on the ship.

MEO Service Support

The Intelligent Mediator Gen-II is a perfect solution for the O3b MEO service. It supports Break-Before-Make and Make-Before-Break handover with no loss of data and no dropped calls. Constant antenna role changes makes seamless communication during MEO operation.

Multi-Bands and Multi-Modes Operations

The Intelligent Mediator Gen-II suggests several kinds of operation modes to utilize bandwidth in maximum. GEO only for blockage mitigation, Hybrid NGSO/GSO operations focusing high bandwidth with reliability.

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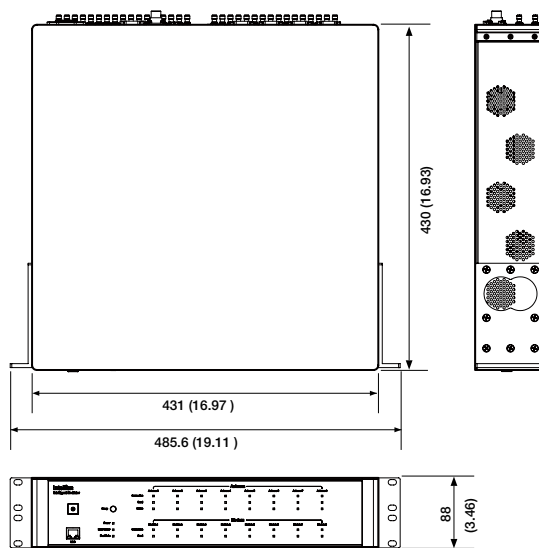
Technical Specifications

Mechanical Specification	
Size (WxDxH)	431mm X 430mm X 88mm (16.97" x 16.93" x 3.46")
Weight	9 kg (lbs)
Ethernet Port	1x RJ45 on the front side 4x RJ45 on the rear side
RF Connectors	8x SMA ports for ACU TX 8x SMA ports for ACU RX 8x SMA ports for Modem TX 9x SMA ports for Modem RX
Gyrocompass Interface	NMEA 2000, NMEA 0183
Modem Interface	RS-232C / I/O port / Ethernet
BUC Interface	RS232C
PC Serial Interface	RS232C (57600 bps, 8N1)
Channel	Tx: 8x8 Matrix Switch Rx: 8x9 Matrix Switch
Connectors	50 Ω (SMA type Female)
Frequency Range	950 MHz ~ 2150 MHz
Power Source	110/220V AC
Power Consumption	100 W Typ.

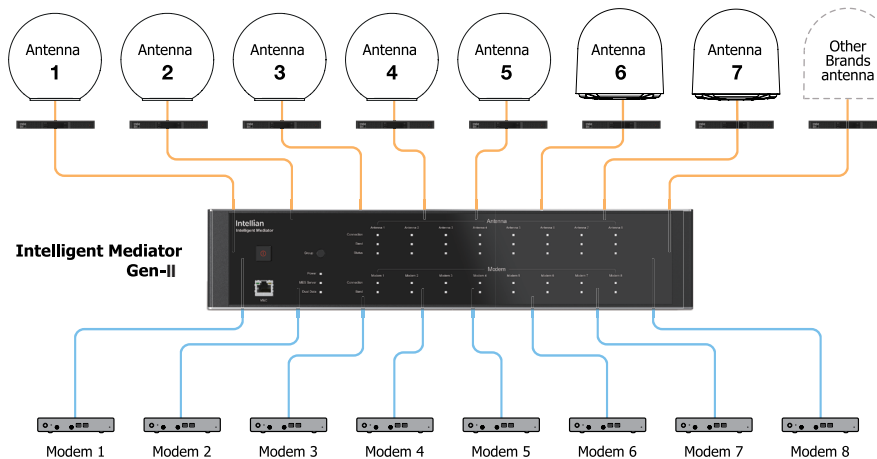
Key features

- RF Switch Matrix Management (8 x Antenna / 8 x Modem)
- Configurable Modem Ports
- Mix & Match Different Antenna Models
- Ready for Orchestra
- Aptus Mediator UI/UX

System Dimensions



System Diagram



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