

Intellian IM8

INTELLIGENT MEDIATOR Advanced Antenna Management Solution



FEATURES

VSAT ANTENNA MEDIATION

The Intelligent Mediator IM8 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.

*The Intelligent Mediator IM4 provides mediation and connectivity for up to 4 antennas.

MEO SERVICE SUPPORT

The Intelligent Mediator IM8 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.

ORCHESTRA - ADVANCED MANAGEMENT SOLUTION

The Intelligent Mediator IM8 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.

MULTI-BANDS AND MULTI-MODES OPERATIONS

The Intelligent Mediator IM8 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.

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.

*The Intelligent Mediator IM4 provides mediation and connectivity for up to 4 antennas.

IM8 Advanced Antenna Management Solution

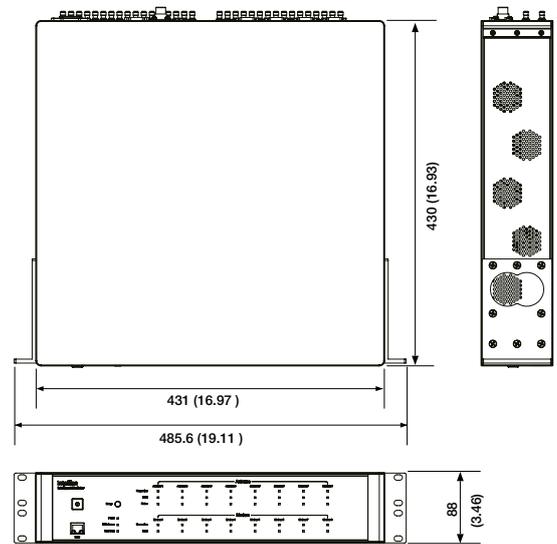
TECHNICAL SPECIFICATIONS

Size (WxDxH)	431mm X 430mm X 88mm (16.97" x 16.93" x 3.46")
Weight	9 kg (lbs)
Ethernet Port	<ul style="list-style-type: none"> • 1x RJ45 on the front side • 4x RJ45 on the rear side
RF Connectors	<ul style="list-style-type: none"> • 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.

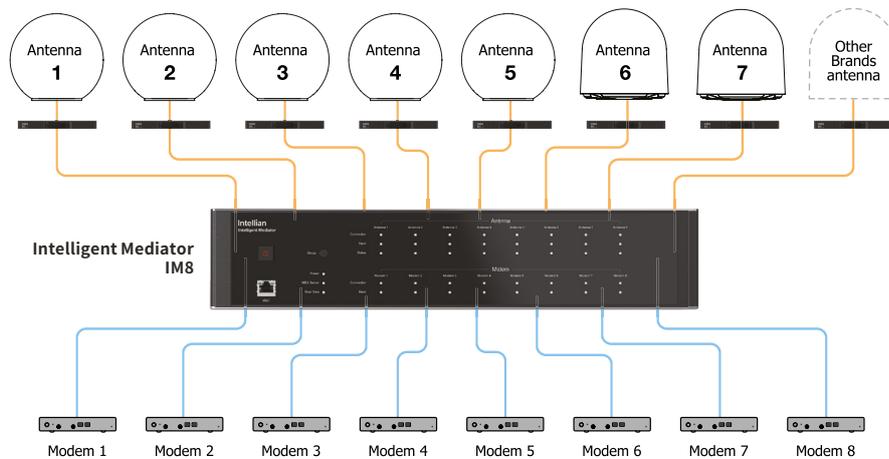
KEY FEATURE

- 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 DIMENSION



SYSTEM DIAGRAM



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