



MAT-IDP690

Fast, global, two-way communications and real-time satellite tracking for powered assets, support vessels, tugs, workboats and fishing vessels.

Enhance your operational awareness with real-time fleet intelligence. MAT-IDP690 combines global coverage, two-way communications and real-time satellite tracking via the IsatData Pro network to deliver more data to you, at a lower cost than ever before.

Supplied fully integrated with the MAT web-based tracking application and ready to install – simply connect MAT-IDP690 to the vessel's power supply and it will start reporting automatically.

Ideal for powered assets, tugs, support vessels, workboats and fishing vessels, the MAT-IDP690 is engineered for the marine environment. Featuring a rugged environmentally sealed enclosure and low-elevation angle antenna, it is one of the most reliable and low-maintenance terminals in the MAT range.

Key Benefits

- Fully integrated with web-based software
- Near real-time tracking for enhanced fleet intelligence
- Two-way communications via Inmarsat's newest I4 satellite constellation
- Rugged, reliable and engineered for extreme temperatures and conditions
- Low look angle engineered for marine applications
- Integrated 8-channel GPS
- Dimensions: 10.1 x 12.6 x 12.6 cm
- Operating temperature range: -40 to +85° C
- Mass: 460 g



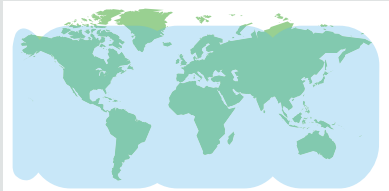
MAT-IDP690 TECHNICAL SPECIFICATION

PHYSICAL	
Dimensions	10.1 x 12.6 x 12.6 cm
Mass	460 g

ENVIRONMENTAL	
Temperature range	Operating: -40° C to +85° C; Storage: -40° C to +85° C
Vibration	SAE J1455 (Sec 4.9, 4.2); MIL-STD-810G (Sec 514.6)
Environmental rating	IP68
Humidity	SAE J1455, section 4.2.3

POSITION REPORTING	
Automatic position reporting	Yes
Change reporting interval	Yes
On-demand position reporting	Yes

POWER	
Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive with GPS: 60 mA Transmit: 0.75 A Sleep: 100 µA

SATELLITE	
Satellite service	Inmarsat IsatData Pro
Coverage	
Frequency range	Rx:1525.0 to 1559.0 MHz; Tx:1626.5 to 1660.5 MHz
EIRP	5.0 dBW
Elevation angle	-15° to + 90°

GPS	
Acquisition time	Warm: 16 sec; cold: 36 sec
Accuracy	2.5 m (Horizontal CEP)
Sensitivity	Acquisition: -136 dBm; tracking: -146 dBm
Channels	8

CERTIFICATION	
Satellite	Inmarsat Type Approved
Other	CE mark, FCC, RoHS, Anatel
VMS Type Approval	FFA Type Approval - pending

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