



## MAT-IDP690

Ideal for: Powered assets, support vessels, tugs, workboats and fishing vessels

The sophisticated MAT-IDP690 delivers fast, global, two-way communications with the support of the new IsatData Pro satellite network.

Engineered for marine applications, MAT-IDP690 delivers messages in seconds over Inmarsat's latest global mobile satellite network, IsatData Pro. Faster message transmission and shorter message latency mean that we can deliver more data to you, at a lower cost than ever before.

Exclusively available on MAT-IDP690, HDtrack leverages the latest advancements in satellite communications technology to provide intelligent realtime reporting.

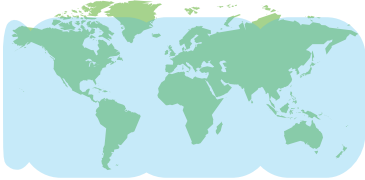
Ideal for powered marine assets, the Inmarsat Type Approved MAT-IDP690 features a low elevation-angle, integrated GPS and an environmentally sealed housing ideal for the harsh maritime environment.

## Key Features

- HDtrack enabled - intelligent realtime reporting
- Two-way communications via Inmarsat's newest I4 satellite constellation
- Choose Inmarsat - a leader in mobile satellite services for the past 30 years
- Send and receive more data for better visibility of operations and risk management
- Environmentally sealed and engineered for harsh environments
- Low look angle engineered for marine applications
- Scalable
- Integrated 8 channel GPS
- Dimensions: 10.1 x 12.6 x 12.6 cm
- Operating temperature range: -40 to +85°
- 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: 45 mA 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	4
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