

Explorer 540

The EXPLORER 540 is the world's first Dual Mode BGAN M2M & Cellular Terminal

Designed to operate on both Inmarsat BGAN and 2G/3G/LTE networks



Overview

The all new EXPLORER 540 is the world's first BGAN M2M terminal designed to operate on both Inmarsat BGAN (Broadband Global Area Network) and cellular 2G/3G/LTE networks, meaning that the EXPLORER 540 can deliver always available connectivity for critical monitoring and control applications.

Dual Mode BGAN M2M

EXPLORER 540 is the only Inmarsat BGAN M2M terminal to offer dual mode operation, which provides unique flexibility and M2M data communication cost-control, as it ensures the most cost-effective communication service can be chosen depending on location. For organisations transferring critical real-time data within their M2M networks, EXPLORER 540's dual mode can provide unmatched service availability. The terminal is well suited for bespoke M2M solutions such as IP SCADA for data backhaul, asset tracking, real-time surveillance and remote telemetry.

Designed for any environment

EXPLORER 540 is a rugged M2M terminal designed to provide reliable and secure IP data in even the harshest environments. At 20 x 20 cm and just 1.6 kg, it is the smallest and lightest BGAN M2M terminal in the market today.

The durable casing and a dust and water resistant IP66 design makes EXPLORER 540 the perfect choice for any kind of fixed installation outside or inside.

Details

Manufacturer:	• Cobham
Network:	• Inmarsat
Device Type:	• Terminal
Markets:	• Utility • Military • Events • Media

Technical Specs

Global Services	Voice: 4kbps (Not for BGAN M2M) Premium Voice: 3.1kHz audio, 64 kbps (Not for BGAN M2M) Standard IP: Up to 464 kbps Streaming IP: 32, 64, 128 kbps (Not for BGAN M2M)
Interfaces	1 x Micro USB interface (Proprietary for external EXPLORER cellular Modem) 1 x BGAN SIM-Card slot 1 x RJ45 Ethernet interface with PoE 1 x 8 pin Ethernet interface 1 x 3 pin for I/O 1 x 2 pin for DC power input
User Interface	One LED (Status) 1 Reset Button Cobham web interface
Accessories	EXPLORER LTE USB Modem for EXPLORER 540
PHYSICAL	
DC Power	10.5 - 32 VDC PIN Connector
PoE Input	Type 2 Class 4 via RJ45 Connector
Dimensions H x W x D	7.8" x 7.8" x 1.6" (202 x 202 x 51.8 mm)
Terminal Weight	3.5lbs (1.6kg) including battery
Operating Temp	-40 °C to +75 °C, -40°F to +167°F
Storage Temp	-55 °C to +80 °C, -67°F to +176°F
Robustness	0.5 m/1.64 ft drop on concrete (operational, 95% survival)
Ingress Protection	IP-66
Power Consumption	Standby : 1.9W (@ 12VDC) 3.5W (PoE) Transmit : 19W (typical) Off : < 21mW
Approvals	CE, FCC, IC, C-TICK, Inmarsat Class 2 Type Approved and BGAN M2M Certified