Iridium Edge ™

Dependable global connectivity for IoT business continuity

Enable your customers to leverage their existing terrestrial-based solutions for fleet management, telematics, safety and other remote monitoring applications through Iridium Edge™, a ready-to-go, reliable satellite communications device that expands connectivity beyond cellular limits for 100% global IoT coverage.

Fast time-to-market is a critical component in today's highly competitive communications environment. Iridium Edge™ is a satellite add-on enabling dual-mode capability and reducing the cost, uncertainties and complications associated with hardware development, manufacture and certification of the satellite-specific terminal.

Key Features of Iridium Edge™ :

▶ Hardware-Ready Device   for simple, low risk integration

▶ Low-Cost Device   for affordable customer adoption

▶ Satellite Add-On   for truly global coverage

▶ Ready-To-Install   for quick time-to-market

▶ Robust Power Supply   for industrial installations

▶ **Certified** in key geographic markets

▶ 180° Line of Sigh   t for compromised, partially blocked locations

▶ Iridium Short Burst Data ^{SM} (SBD ^{SM}) modem for Iridium's superior network advantages

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Everywhere

Key Product Specifications:

NETWORK
- Frequency: 1616 – 1626.5 MHz
- Message Size: 270 bytes (Receive), 340 bytes (Transmit)
- SBD Transceiver: Iridium 9602N
- Antenna: Integrated Iridium® certified antenna

ENVIRONMENTAL
- Operating Temperature Range: -40C to 85C
- Storage Temperature Range: -40C to 85C
- Vibration: SAE J1455, Section 4.10

MECHANICAL
- Dimensions: 130 mm (L) x 80 mm (W) x 30 mm (H)
- Ingress Protection: IP 67
- Side and Bottom Cable Exits
- Connector: M12-8 pin male, terminated on 20cm pigtail cable
- Installation Options: Pole, Screw, Tape

CERTIFICATIONS
- Iridium® Satellite Network Certification
- RoHS Compliant
- FCC, IC, CE, Australia Approvals

POWER
- Power Supply: (9-32V), SAE J1455 Load Dump Protected
- Maximum Power: 1.6W (Peak for Short Transmit Burst)
- Low Power Modes: < 200uA
- Reverse Polarity Protection

INTERFACES
- RS232 AT Command Interface
- On/Off Control Lines

Key Markets:

- Fleet Management
- Remote Monitoring
- SCADA
- Asset Tracking
- Maritime

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