Iridium's low-latency Internet-of-Things (IoT) solutions leverage the power of the world's furthest reaching network to extend the high value of intelligent data beyond the barriers of terrestrial networks. Designed to be integrated into end user applications, this range of proven hardware allows partners and customers to quickly utilize Iridium's unrivalled global network to communicate with their assets in virtually any market.

### Reliable Data Connectivity

#### FORM FACTOR
- **Iridium 9602**: Board-to-Board
- **Iridium 9603**: Board-to-Board
- **Iridium Core 9523**: Board-to-Board
- **Iridium 9522B**: Black Box
- **Iridium Edge**: IP67 rated

#### DIMENSIONS
- **Iridium 9602**: 41 x 45 x 13mm
- **Iridium 9603**: 31.5 x 29.6 x 8.1mm
- **Iridium Core 9523**: 70.44 x 36.04 x 8.9mm (H)
- **Iridium 9522B**: 162 x 81 x 26mm
- **Iridium Edge**: 130 x 80 x 30 (H)

#### INTERFACES
- **Iridium 9602**: AT + Command
- **Iridium 9603**: AT + Command
- **Iridium Core 9523**: AT + Command
- **Iridium 9522B**: AT + Command, RS 232 Digital/Analogue
- **Iridium Edge**: RS232 AT command interface On/Off Control lines

#### POWER REQUIREMENTS
- **Iridium 9602**: +5 V +/- 0.5 V
- **Iridium 9603**: +5 V +/- 0.5 V
- **Iridium Core 9523**: +3.2 V to +6 V
- **Iridium 9522B**: +4.0 VDC to +32 VDC

#### POWER CONSUMPTION
- **Iridium 9602**: Idle 35 mA
- **Iridium 9603**: Idle 34 mA
- **Iridium Core 9523**: Idle 70 mA
- **Iridium 9522B**: Idle 220 mA
- **Iridium Edge**: 1.6W (peak for short transmit burst), Low Power Modes: < 200uA

#### OPERATING TEMP RANGE
- **Iridium 9602**: -40°C to +85°C
- **Iridium 9603**: -40°C to +85°C
- **Iridium Core 9523**: -30°C to +70°C
- **Iridium 9522B**: -30°C to +70°C
- **Iridium Edge**: -40°C to +85°C

#### VIBRATION AND SHOCK
- **Iridium Edge**: SAE J1455, SAE J1555

#### TYPICAL APPLICATIONS
- **Iridium 9602**: Personnel and asset tracking, fleet management, environment and safety monitoring, remote automation and control
- **Iridium 9603**: Personnel and asset tracking, fleet management, environment and safety monitoring, remote automation and control
- **Iridium Core 9523**: Maritime, aviation and mobile markets
- **Iridium 9522B**: Maritime, aviation and mobile markets
- **Iridium Edge**: Asset tracking, fleet management, environment and safety monitoring, remote automation and control

#### DEVELOPMENT KIT AVAILABLE
- **Iridium 9602**: YES
- **Iridium 9603**: YES
- **Iridium Core 9523**: YES
- **Iridium 9522B**: N/A
- **Iridium Edge**: YES

#### SERVICES
- **Iridium 9602**: SBD™, Iridium Burst®
- **Iridium 9603**: SBD™, Iridium Burst®
- **Iridium Core 9523**: SBD™, CSD, SMS, RUDICS, TELEPHONY
- **Iridium 9522B**: SBD™, CSD, SMS, RUDICS, TELEPHONY
- **Iridium Edge**: SBD™, Iridium Burst®

#### AVERAGE LATENCY
- **Iridium 9602**: <20 seconds per 340 bytes (MO)
- **Iridium 9603**: <20 seconds per 340 bytes (MO)
- **Iridium Core 9523**: <45 seconds for 1KB message (MO and MT)*
- **Iridium 9522B**: <45 seconds for 1KB message (MO and MT)*
- **Iridium Edge**: <20 seconds per 340 bytes (MO)

#### MAJOR NETWORK AND REGIONAL CERTIFICATIONS
- **Iridium 9602**: FCC, IC, RED, CE, Anatel, Australia, RoHS, others
- **Iridium 9603**: FCC, IC, RED, CE, Anatel, Australia, RoHS, others
- **Iridium Core 9523**: FCC, IC, RED, CE, Anatel, Australia, RoHS, others
- **Iridium 9522B**: FCC, IC, RED, CE, Anatel, Australia, RoHS, others
- **Iridium Edge**: Iridium® satellite network certification, FCC, IC, RED, CE, Anatel, Australia, RoHS

---

*Latency average assumes data connection established. ©Copyright 2017 Iridium Satellite LLC. All rights reserved. Iridium, Iridium Burst and the Iridium logo are registered trademarks. SBD is a service mark and Iridium Edge is a trademark of Iridium Satellite LLC and its affiliates. Information is subject to change without notice.*