

Iridium® IoT

Reliable Data Connectivity
for Fixed and Mobile Use.
Absolutely Everywhere.

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.



	Iridium 9602	Iridium 9603	Iridium Core 9523	Iridium 9522B	Iridium Edge™
FORM FACTOR	Board-to-Board	Board-to-Board	Board-to-Board	Black Box	IP67 rated
DIMENSIONS	41 x 45 x 13mm	31.5 x 29.6 x 8.1mm	70.44 x 36.04 x 8.9mm (H)	162 x 81 x 28mm	130 x 80 x 30 (H)
INTERFACES	AT + Command	AT + Command	AT + Command	AT + Command, RS 232 Digital/Analogue	RS232 AT command interface On/Off Control lines
POWER REQUIREMENTS	+5 V +/- 0.5 V	+5 V +/- 0.5 V	+3.2 V to +6 V	+4.0 VDC to +32 VDC	Power Supply (9-32V), SAE J1455, Load dump protected Reverse Polarity Protection
POWER CONSUMPTION	Idle 35 mA Transmit 140 mA Receive 40 mA	Idle 34 mA Transmit 145 mA Receive 39 mA	Idle 70 mA Transmit 300 mA Receive 110 mA	Idle 220 mA Transmit 800 mA Receive 800 mA	1.6W (peak for short transmit burst), Low Power Modes: < 200uA
OPERATING TEMP RANGE	-40°C to +85°C	-40°C to +85°C	-30°C to +70°C	-30°C to +70°C	-40°C to +85°C
VIBRATION AND SHOCK	EN60068-2-14:2000 EN 60068-2-36:1996 EN60068-2-27:1993 J1455	EN60068-2-14:2009 IEC60068-2-64: 2008 EN60068-2-27: 2009 SAE J1455	EN60068-2-14:2009 IEC60068-2-64: 2008 EN60068-2-27: 2009 SAE J1455 MILSTD 810	EN60068-2-14:2000 EN60068-2-32:1993 EN60068-2-27:1993 EN 60068-2-6:1996 SAE J1455:1994	SAE J1455 SAE J1555
TYPICAL APPLICATIONS	Personnel and asset tracking, fleet management, environment and safety monitoring, remote automation and control	Personnel and asset tracking, fleet management, environment and safety monitoring, remote automation and control	Maritime, aviation and mobile markets	Maritime, aviation and mobile markets	Asset tracking, fleet management, environment and safety monitoring, remote automation and control
DEVELOPMENT KIT AVAILABLE	YES	YES	YES	N/A	YES
SERVICES	SBD SM , Iridium Burst [®]	SBD SM , Iridium Burst [®]	SBD SM , CSD, SMS, RUDICS, TELEPHONY	SBD SM , CSD, SMS, RUDICS, TELEPHONY	SBD SM , Iridium Burst [®]
AVERAGE LATENCY	<20 seconds per 340 bytes (MO)	<20 seconds per 340 bytes (MO)	<45 seconds for 1KB message (MO and MT)*	<45 seconds for 1KB message (MO and MT)*	<20 seconds per 340 bytes (MO)
MAJOR NETWORK AND REGIONAL CERTIFICATIONS	FCC, IC, RED, CE, Anatel, Australia, RoHS, others	FCC, IC, RED, CE, Anatel, Australia, RoHS, others	FCC, IC, RED, CE, Anatel, Australia, RoHS, others	FCC, IC, RED, CE, Anatel, Australia, RoHS, others	Iridium [®] satellite network certification, FCC, IC, RED, CE, Anatel, Australia, RoHS