

Iridium® IoT Product Comparison



	Iridium Edge®	Iridium Edge® Pro	Iridium Edge® Solar
Form Factor	Standalone	Standalone with GPS, Java Programmable	Standalone with GPS, Configurable Profiles
Dimensions (LxWxH)	130 mm x 80 mm x 30 mm	127 mm x 90 mm x 41 mm	164 mm x 71 mm x 33 mm
Weight	330 g	200 g	470 g
Interfaces	AT + Command, RS 232	4 I/O , CANbus, RS 232, RS 485	BLE
Power Requirements	9-32 V	7-40 V	Internal Non-Rechargeable & Solar Chargeable Batteries
Power Consumption (Average)	Transmit Slot (Max) 1.6 W Power On – Max. Current 0.5A Operational – Max. Current 0.3A	Receive : 0.6W GNSS : +0.6W	Harvests Energy from the Sun
Operating Temp. Range	-40°C to + 85°C	-40°C to + 85°C	-40°C to + 85°C
Environmental Specs	SAE J1455**, IP 67	SAE J1455**, IP 67	SAE J1455**, MIL-STD-910, IP 68
Typical Applications	Asset Tracking, Fleet Management, Environment & Safety Monitoring, Remote Automation & Control	Fisheries, Vessel & Fleet Management, Remote Monitoring	Oil & Gas, Transportation, Agriculture, Surface Mining, Asset & Vehicle Tracking
Development Kit	✓	✓	✓
Services	SBD®	SBD®	SBD®
Average Latency	<20 Seconds per 340 Bytes (MO)	<20 Seconds per 340 Bytes (MO)	<20 Seconds per 340 Bytes (MO)
Certifications	US (FCC), EU (CE Mark)**	US (FCC), EU (CE Mark)**	US (FCC), EU (CE Mark)**

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	Iridium® 9602	Iridium® 9603	Iridium Core® 9523	Iridium Certus™ 9770
Form Factor	Embedded	Embedded	Embedded	Embedded
Dimensions (LxWxH)	41 x 45 x 13 mm	32 x 30 x 8 mm	70 x 36 x 9 mm	140 x 60 x 16 mm
Weight	30 g	11.4 g	32 g	185 g
Interfaces	AT + Command	AT + Command	AT + Command	“JSON REST over Serial”
Power Requirements	+5 V +/- 0.5 V	+5 V +/- 0.5 V	+3.2 V to +6 V	+12 VDC +/- 2.5 V
Power Consumption (Average)	Idle 35mA Transmit 140mA Receive 40mA	Idle 34mA Transmit 145mA Receive 39mA	Idle 70mA Transmit 300mA Receive 110mA	Idle : 60mW Full Transmit/Receive : 3.5W
Operating Temp. Range	-40°C to +85°C	-40°C to +85°C	-30°C to +70°C	-40°C to +70°C
Environmental Specs	EN60068-2-14:2000 EN60068-2-36:1996 EN60068-2-27:1993 J1455	EN60068-2-27:2009 EN60068-2-14:2009 EN60068-2-64:2008 SAE J1455	EN60068-2-14:2009 EN60068-2-64:2008 EN60068-2-27:2009 SAE J1455 MILSTD 910	EN60068-2-14:2009 EN60068-2-64:2008 EN60068-2-27:2009 SAE J1455
Typical Applications	Personnel & Asset Tracking, Fleet Management, Environment and Safety Monitoring, Remote Automation and Control	Personnel & Asset Tracking, Fleet Management, Environment and Safety Monitoring, Remote Automation and Control	Maritime, Aviation & Mobile Markets	Fleet & Vessel Management, Lone Worker Communications, SCADA, Remote Monitoring
Development Kit	✓	✓	✓	✓
Services	SBD®, Iridium Burst®	SBD®, Iridium Burst®	SBD®, CSD, SMS, RUDICS	Iridium Certus®, IP Data, 2 Voice Lines
Average Latency	<20 Seconds per 340 Bytes (MO)	<20 Seconds per 340 Bytes (MO)	<45 Seconds for 1KB message (MO and MT)*	TBD
Certifications	US (FCC), EU (CE Mark)**	US (FCC), EU (CE Mark)**	US (FCC), EU (CE Mark)**	US (FCC), EU (CE Mark)**

*Latency average assumes data connection established.

**For complete information on local in-country approvals, refer to an authorized Iridium Service Provider.

