Iridium® IoT
Product Comparison

	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 MetOcean Sales Representative.