Modules Comparison

	Iridium 9522B MODEL # IRID0025	Iridium Core 9523 MODEL # IRIDN0125	Iridium 9602 MODEL # SBDN9602	Iridium 9603 MODEL # SBDN9603
Form Factor	Black Box	Board-to-Board	Board-to-Board	Board-to-Board
Dimensions (L x W x H)	162 x 81 x 28 mm	70 x 36 x 9 mm	41 x 45 x 13 mm	31.5 x 29.6 x 8.1 mm
Interfaces	AT+ Command, RS232 Digital / Anaologue	AT+ Command	AT+ Command	AT+ Command
Power Requirements	+4.0 VDC to +32 VDC	+3.2 V to +6 V	+5 V +/- 0.5V	+5 V +/- 0.5V
Power Consumption	Idle 220 mA Transmit 800 mA Receive 800 mA	Idle 70 mA Transmit 300 mA Receive 110 mA	Idle 35 mA Transmit 140 mA Receive 40 mA	Idle 34 mA Transmit 145 mA Receive 39 mA
Operating Temperature	-30ºC to +70ºC	-30ºC to +70ºC	-40ºC to +85ºC	-40ºC to +85ºC
Vibration & Shock	EN60068-2-14:2000 EN60068-2-32:1993 EN60068-2-27:1993 EN60068-2-6:1996 SAE J1455:1994	EN60068-2-14:2009 IEC60068-2-64:2008 EN60068-2-27:2009 SAE J1455 MILSTD 810	EN60068-2-14:2000 EN60068-2-36:1996 EN60068-2-27:1993 J1455	EN60068-2-14:2009 IEC60068-2-64:2008 EN60068-2-27:2009 SAE J1455
Typical Applications	Maritime, Aviation, Mobile Markets	Maritime, Aviation, Mobile Markets	Personnel & Asset Tracking, Fleet Management, Environment & Safety Monitoring, Remote Automation & Control	Personnel & Asset Tracking, Fleet Management, Environment & Safety Monitoring, Remote Automation & Control
Development Kit Available	----------	Yes	Yes	Yes
Services	SBD®, CSD, SMS, RUDICS, TELEPHONY	SBD®, CSD, SMS, RUDICS, TELEPHONY	SBD®, Iridium Burst®	SBD®, Iridium Burst®
Latency (Average)	<45 Seconds for 1KB message (MO & MT)*	<45 Seconds for 1KB message (MO & MT)*	<20 Seconds per 340 Bytes (MO)	<20 Seconds per 340 Bytes (MO)
Major Networks & 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
Data Speed	2.4 Kbps	2.4 Kbps	2.4 Kbps	2.4 Kbps

*Latency average assumes data connection established

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

:::iridium®