

# Iridium M2M

Iridium's low-latency machine-to-machine (M2M) 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 9523

## Iridium 9522B

<b>FORM FACTOR</b>	Board-to-Board	Board-to-Board	Board-to-Board	Black Box
<b>DIMENSIONS</b>	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
<b>INTERFACES</b>	AT + Command	AT + Command	AT + Command	AT + Command, RS 232 Digital/Analogue
<b>POWER REQUIREMENTS</b>	+5 V +/- 0.5 V	+5 V +/- 0.5 V	+3.2 V to +6 V	+4.0 VDC to +32 VDC
<b>POWER CONSUMPTION</b>	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
<b>OPERATING TEMP RANGE</b>	-40°C to +85°C	-40°C to +85°C	-30°C to +70°C	-30°C to +70°C
<b>USAGE</b>	Fixed and Mobile	Fixed and Mobile	Fixed and Mobile	Fixed and Mobile
<b>VIBRATION AND SHOCK</b>	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 MILSPEC 810	EN60068-2-14:2000 EN60068-2-32:1993 EN60068-2-27:1993 EN 60068-2-6:1996 SAE J1455:1994
<b>TYPICAL APPLICATIONS</b>	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
<b>DEVELOPMENT KIT AVAILABLE</b>	YES	YES	YES	N/A
<b>SERVICES</b>	SBD, BURST	SBD, BURST	SBD, CSD, SMS, RUDICS, TELEPHONY	SBD, CSD, SMS, RUDICS, TELEPHONY
<b>AVERAGE LATENCY</b>	<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)*
<b>COVERAGE AREA</b>	Global	Global	Global	Global