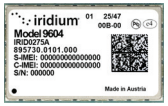
Iridium® IoT Modules

COMPARISON CHART

	Iridium 9602	Iridium 9603	Iridium 9604	Iridium Certus™ 9704	Iridium Certus™ 9770
Dimensions (L x W x H)	41 × 45 × 13 mm	31.5 × 29.6 × 8.1 mm	16.0 × 26.0 × 2.4 mm	31.5 × 42 × 3.9 mm	140 × 60 × 16 mm
Weight	30 g	11.4 g	<3g	9.7 g	185 g
Connector type	Samtec low-profile header (part #FTSH-110-01-L-DV)	Samtec 0.40 mm pitch header (part #SS4-10-3.00-L-D-K-TR)	96-pin LGA (SARA)	Connectorless, LGA surface mount	Samtec 1.27mm pitch header (part #: TFC-125-02-L-D)
Interfaces	Serial data, GPS pass-through (Iridium 9602 only), antenna connector, digital interface		Serial, GPIO, (U) SIM, 1 satellite & GNSS antenna connector, 1 cellular connector	Serial data, SPI, GPIOs, GNSS pass-through, antenna (RF pin), digital interface	Serial data, SIM, antenna connector, digital interface
Operating voltage	5.0V DC		3.8 V nominal, range 3.0 V to 4.5 V	3.5 V (min) / 3.7 V (typ) / 4.5 V (max)	12 VDC
Operating temperature	-40°C to + 85°C		-40°C to + 85°C	-40°C to + 85°C	-40°C to + 70°C
Dev kit available	Yes		Yes	Yes	Yes
Related services	Iridium SBD®; Iridium Burst®		Iridium SBD®, LTE-M & GNSS	Iridium Messaging Transport® (IMT®)	IMT®; Iridium Certus® (IP data & 2 voice lines)
Data speed	2.4 kbps		2.4 kbps SBD & ~200 kbps LTE-M	4.8 kbps	22 kbps (Tx) / 88 kbps (Rx)
Max message size	340 bytes (MO), 270 bytes (MT)		340 bytes (MO), 270 bytes (MT) for SBD	100 kB	-
SIM card	No		Only for LTE-M	Internal SIM	Yes
Command interfaces	AT		AT	JSON-based serial protocol for REST (JSPR)	JSON-based serial protocol for REST (JSPR)
Sample applications	Asset tracking, fleet management, remote control & automation; environment, safety & personnel monitoring; Global Line of Sight℠ service; pole-to-pole comms		Asset tracking, fleet management & industrial automation; environment, safety & personnel monitoring; critical infrastructure, emergency response, energy; Global Line of Sight service; pole-to-pole comms	Autonomous / remote equipment telemetry, UAV command & control, low-power SCADA readings, cellular backup add-on; remote worker & lone traveler comms	Mobile & Mixed equipment telemetry; military, government & emergency comms; environment, weather & site monitoring
					

Iridium IoT transceivers are regulatory approved modules that conform to FCC, EU (RED), ANATEL and IC technical certifications

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