Iridium Certus™ Modules Comparison

	Iridium Certus™ 9770 MODEL # 9770	Iridium Certus™ 9810 MODEL # 9810
Form Factor	Embedded	Embedded
Dimensions (L x W x H)	140 x 60 x 16 mm	150.6 x 133.6 x 18.2 mm
Weight	185 g	500 g
Interfaces	JSON REST Over Serial	JSON
Power Requirements	+12 VDC +/- 2.5 V	12 VDC +/- 10 V
Power Consumption (Average)	Idle 60m W Full Transmit / Receive 3.5 W	Monitor Mode 12.6 W Low Data Rate 14.7 W High Data Rate 17.4 W
Operating Temperature	-40°C to +70°C	-40ºC to +75ºC
Environmental Specs	EN60068-2-14:2009 EN60068-2-64:2008 EN60068-2-27:2009 SAE J1455	IEC 60068-2-1 | IEC 60068-2-13 IEC 60068-2-64 | IEC 60068-2-78 SAE J1455:2012 Section 4.1.3.2 SAE J1455:2012 Section 4.11.3.1
Typical Applications	Fleet & Vessel Management, Lone Worker Communications, SCADA, Remote Monitoring	Maritime & Safety Communications, Aviation Cockpit Communications, Government Use
Development Kit	Yes	Yes
Services	Iridium Certus®, IP Data, (2) Voice Lines, Iridium Messaging Transport®	Iridium Certus®, IP Data, (3) Voice Lines, Safety Services
Certfications*	US (FCC), EU (CE MARK), CANADA(IC), ROHS, REACH	US (FCC), EU (CE MARK), CANADA(IC), ROHS, REACH, Australia / New Zealand (AS / NZS)

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

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