

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	-40°C to +75°C	
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	
Certifications*	US (FCC), EU (CE MARK), CANADA(IC), ROHS, REACH	US (FCC), EU (CE MARK), CANADA(IC), ROHS, REACH, Australia / New Zealand (AS / NZS)	