

# Iridium Certus™ Transceivers Comparison



	<b>Iridium Certus™ 9770</b> MODEL # 9770	<b>Iridium Certus™ 9810</b> MODEL # 9810
<b>Form Factor</b>	Embedded	Embedded
<b>Dimensions (L x W x H)</b>	140 x 60 x 16 mm	150.6 x 133.6 x 18.2 mm
<b>Weight</b>	185 g	500 g
<b>Interfaces</b>	JSON REST Over Serial	JSON
<b>Power Requirements</b>	+12 VDC +/- 2.5 V	12 VDC +/- 10 V
<b>Power Consumption (Average)</b>	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
<b>Operating Temperature</b>	-40°C to +70°C	-40°C to +75°C
<b>Environmental Specs</b>	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
<b>Typical Applications</b>	Fleet & Vessel Management, Lone Worker Communications, SCADA, Remote Monitoring	Maritime & Safety Communications, Aviation Cockpit Communications, Government Use
<b>Development Kit</b>	Yes	Yes
<b>Services</b>	Iridium Certus®, IP Data, (2) Voice Lines	Iridium Certus®, IP Data, (3) Voice Lines, Messaging, Safety Services
<b>Certifications*</b>	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