

# ISAT-200A

## GLOBAL SATELLITE TRANSCEIVER



Now available with Iridium Push-to-Talk real-time group voice communications

Iridium Services	SBD, SMS and RUDICS
Operating Frequency	1616 MHz to 1626.5 MHz
Power Requirements	10 Vdc to 32 Vdc
Power Consumption	28V power: 0.5 A typical, 1.5 A in transmission
Audio Output	150 mW min. into 600 or 300 Ohms
Audio Inputs	MIC Audio Input - 0.007 to 0.7Vrms @ 500 Ohms impedance Panel Audio Input - 0.1 to 5Vrms @ 500 Ohms impedance Cockpit Audio Recorder Input - 3.5 or 14Vrms max
Operating Temperature	-4°F to 131°F (-20°C to +55°C)
Short Term Operating Temperature	-40°F to 158°F (-40°C to +70°C)
Dimensions	H x W x D = 5.24" x 3.90" x 13.30" Mounted in ITRAY-200A
Weight	5.52 lbs (2.51 kg) Max. Includes ITRAY-200A and installation kit
Mounting	Tray (with ARINC 404 Connectors)
Cooling	Normal Air Circulation
Environmental Tests	DO-160 Revision G

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R402-3 - ISAT-200A & Accessories Specifications

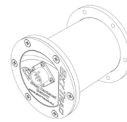
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GREATER VISION  
BETTER DECISIONS

# ACCESSORIES



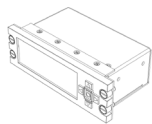
## DUAL GPS/IRIDIUM ANTENNA

Antenna	GPS: Active L1; Iridium: Passive
Radome	Low profile molded
Power Handling	1 W (GPS); 30 W (Iridium)
Dimensions	0.72" x 2.2" x 5"
Weight	8.5 oz (242g)



## CHM CRASH-HARDENED MEMORY

Interface	RS-422
Data Capacity	25 Flight Hours
Audio:	2 hours
MTBF	10,000 hrs
Power Requirements	10 Vdc to 32 Vdc
Power Consumption	50mA @ 28Vdc
Operating Temperature	-4°F to 131°F (-20°C to +55°C)
Short-Term Operating Temp.	-40°F to 158°F (-40°C to +70°C)
Dimensions	4.13" x 4.7"
Weight	3.5 lbs (1.59 kg). Includes installation connector
Mounting	6 #10 Screws
Cooling	Normal air circulation
Crash Survivability	ED-155 (Impact, Crush, Fire)
Environmental Tests	DO-160 Revision G



## CDP-300 COCKPIT DISPLAY PANEL

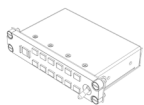
Power Requirements	20.5 - 32.2 Vdc Aircraft Power
Power Consumption	50mA to 360mA @ 28V. May vary by display brightness and content
Operating Temperature	5°F to 131°F (-15°C to +55°C)
Short-Term Operating Temp.	-40°F to 158°F (-40°C to +70°C)
Dimensions	1.83" x 5.75" x 3.17"
Weight	0.73 lbs (0.33kg)
Mounting	DZUS rails using 4 1/4 Turn Studs
Cooling	Normal air circulation
Environmental Tests	DO-160 Revision E



## WIFI-200 AND REMOTE DATA DISPLAY APPLICATION

\*Not for use in transferring flight data within the USA

Antenna	RP-SMA connector for use with supplied antenna or custom configurations
Operating Frequency	2.4 - 2.4835 GHz
Protocol	802.11a/b/g/n
Range (Line of Sight)	Up to 50m
Power Requirements	10 Vdc to 32 Vdc, 28 Vdc nominal
Power Consumption	1W idle, 3W max
Operating Temperature	-4°F to 131°F (-20°C to +55°C)
Short-Term Operating Temp.	-40°F to 158°F (-40°C to +70°C)
Dimensions	6.0" x 1.95" x 1.25". Includes installation connector
Weight	0.32 lbs (0.145 kg) Installation Kit: 0.12 lbs (0.054 kg)
Mounting	4 #8 screws
Cooling	Normal air circulation
Environmental Tests	DO-160 Revision G



## DVI-300 DISPATCH VOICE INTERFACE

Power Requirements	20.5 - 32.2 Vdc Aircraft Power
Power Consumption	50 mA @ 28 Vdc
Operating Temperature	5°F to 131°F (-15°C to +55°C)
Short-Term Operating Temp.	-40°F to 158°F (-40°C to +70°C)
Dimensions	1.12" x 5.75" x 3.4"
Weight	0.6 lbs (0.27kg)
Mounting	DZUS rails using 4 1.4 Turn Studs
Cooling	Normal air circulation
Environmental Tests	DO-160 Revision E

## MULTIPLE IRIDIUM HANDSET OPTIONS

Contact SKYTRAC to discuss your requirements.