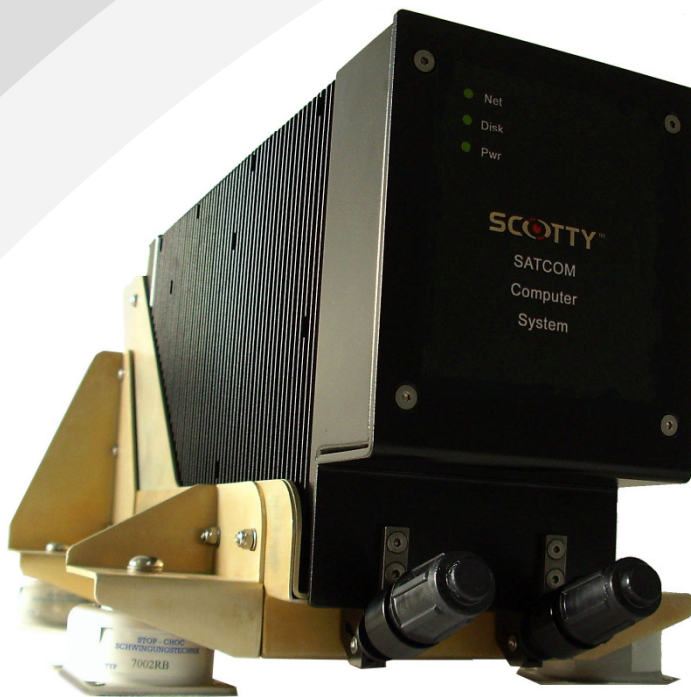


SATCOM SYSTEM SCOTTY LRU - Computer System (SCS)



ARINC 600 Unit: 4 MCU, 6 kg

Integrated Solution

- > Data transfer (ISDN or IP) to the receiving side
- > Channel bundling for higher data rates (virtuel CAPI over LAN)
- > Live video transmission with $n \times 64$ kbit/s (up to 256kbit/s) into the ISDN network or with SWIFT BGAN (IP) up to 432 kbit/s
- > H.320/H.323 video conferencing
- > H.264 (MPEG 4 –AVC10) video coding for live transmissions
- > MPEG 4 video recording selectable between 250 kbit/s up to 5 Mbit/s (resolution FD1 with 720 x 576 pixels)
- > Store & forward data transmission
- > Implementation and presentation of Command and Control components and flight tracking and flight planning
- > Dimensions: Length: 366.5 mm
Width: 126.0 mm
Height: 199.5 mm

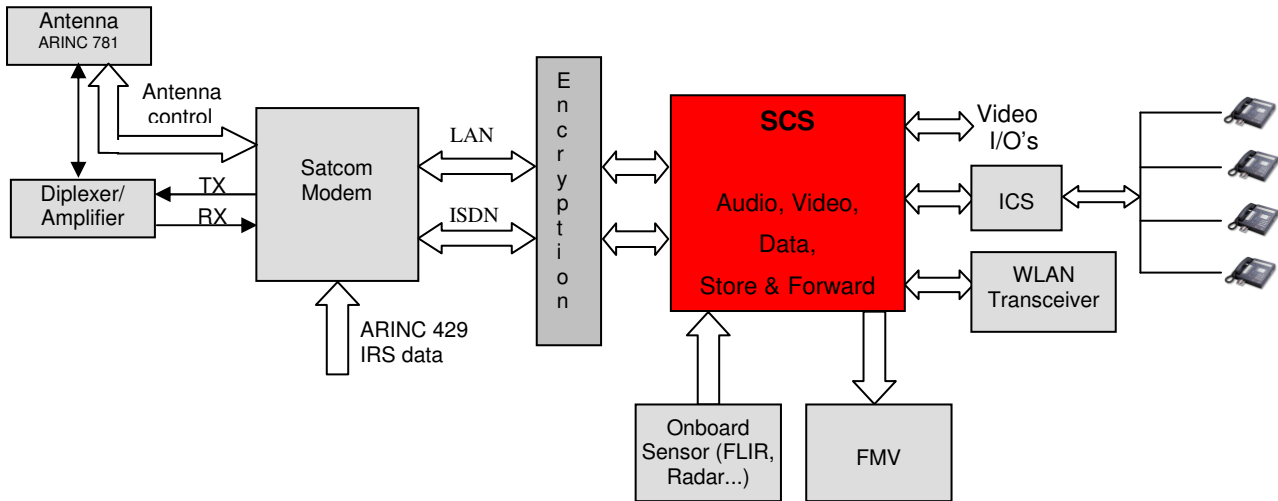
▶ INTERFACES

LAN (2x)
ISDN (2x)
VGA OUT
DVI OUT
VIDEO IN (4x)
VIDEO OUT (2x)
USB (4x)
AUDIO IN (3x)
AUDIO OUT (3x)
COM (3x)

SATCOM SYSTEM SCOTTY LRU - Computer System (SCS)

TECHNICAL SPECIFICATION

System setup



Environmental specification

Minimum temperature	DO160E	4 / Cat. B4	-25°C 1)
Maximum temperature	DO160E	4 / Cat. B4	+55°C 2)
Minimum storage temperature	DO160E	4 / Cat. B4	-55°C
Maximum storage temperature	DO160E	4 / Cat. B4	+85°C
Pressure FL350	DO160E	4 / Cat. B4	
Pressure FL160 / 1525m/min operating cond.	DO160E	4 / Cat. B4	
Humidity	DO160E	6 / Cat. C	
Shocks, Transport and Handling	DO160E	7 / Cat. A	Proc. 7.2.2
Vibration	DO160E	8 / Cat. U2	
Sand & Dust Test - prove by similarity analysis	DO160E	12 / Cat. S	
Fungus - prove by similarity analysis Test	DO160E	13 / Cat. F	
Sea Spray 48h NaCl 5% - prove by similarity analysis	DO160E	14 / Cat. S	
DC Normal Conditions - Stabilized Voltage	DO160E	16/Cat.A(CF)	
DC Normal Conditions - Ripple Voltage	DO160E	16/Cat.A(CF)	
DC Normal Conditions - Transient Voltage	DO160E	16/Cat.A(CF)	
DC Abnormal Conditions - Stabilized Voltage	DO160E	16 / Cat. A	
DC Abnormal Conditions - Transient Voltage	DO160E	16 / Cat. A	
Power Lines Spikes Susceptibility	DO160E	17 / Cat. A	
Magnetic Field Susceptibility	DO160E	19 / Cat. C	
Conducted Susceptibility (BCI)	DO160E	20 / Cat. Y	
Thermal impact up to	MIL810F	SD6003044	>10°C/min
Industrial Atmosphere - prove by similarity analysis	DIN50018	FKW 0.2S	
Power Lines Conducted Susceptibility	MIL-STD461E	CS101	
VLF Magnetic Field Susceptibility	MIL-STD461E	RS101	
Emitted Spikes on Power Lines	EN2282	-	
Electrical Field Emission	MIL-STD461E	RE102	
Magnetic Field Emission	MIL-STD461E	RE101	
Radiated Susceptibility	MIL-STD461E	RS103	
Power Interruption	GRS_C_B 3.4.2	App. 2	
Insulation Resistance	MIL-STD202G	302 / B	
Dielectric Strength	MIL-STD202G	302 / B	

- 1) With a preheat time of max. 20 minutes, -10°C without preheat
 2) 40°C without cooling continuous, +70°C loss of cooling for 15min