



SPACE 42

IGA-5001T



HLD-5011A



SDU-5048



SCM-5055

T320

# FIXED WING SYSTEM

**ROBUST, VERSATILE SATCOM SOLUTION FOR MODERN  
AVIATION MISSIONS.**

The T320 Satcom system is an ideal fixed-wing solution featuring a compact Line Replaceable Unit (LRU) that supports data speeds up to 1 Mbps. It enables real-time streaming of surveillance video and mission-critical data, including command and control (C2) of larger UAV, ISR, troop information, and security video, ensuring timely and accurate situational awareness.





# T320 - FIXED WING SYSTEM

Supporting VoLTE and passenger connectivity including internet access, email, and video conferencing; the system enhances both operational efficiency and onboard communication. Its small, compact footprint coupled with a low-profile, fuselage-mount antenna allows seamless integration on fixed-wing aircraft without affecting aerodynamics or space.



EXTENDED ENVIRONMENTAL RANGE IN TEMPERATURE AND VIBRATIONS,



LOW POWER CONSUMPTION (112W MAX)



SPEED UP TO 1 MBPS.



## IGA-5001T GA - INTERMEDIATE GAIN ANTENNA

### Technical Specification

DIMENSIONS AND WEIGHT	LENGTH:	581 MM
	WIDTH:	175 MM
	HEIGHT:	50 MM
	WEIGHT:	3.7 KG
INTERFACES	RF ANTENNA PORT:	TNC FEMALE
	CONTROL PORT:	TNC FEMALE
	POWER:	28 VDC (NOMINAL)
ALTITUDE	UP TO 70,000 FT	
TEMPERATURE RANGE	OPERATING:	-65°C TO +70°C
	STORAGE:	-65°C TO +85°C
VOLTAGE	28 VDC	
POWER CONSUMPTION	UP TO 7W	
QUALIFICATION CATEGORY	DO-160E (DETAILED INFORMATION CAN BE PROVIDED UPON REQUEST)	

### Features

- Low profile
- Small footprint
- Solid state highly reliable design
- Connected via two TNC bulkhead feedthroughs
- Antenna adaptor plate available
- Seamless coverage over Thuraya-4 satellite





## HLD-5011A

# HLD – HIGH POWER, LOW NOISE AMPLIFIER AND DIPLEXER

### Technical Specification

<b>DIMENSIONS AND WEIGHT</b>	LENGTH:	197 MM
	WIDTH:	190 MM
	HEIGHT:	60 MM
	WEIGHT:	2.5 KG
<b>INTERFACES</b>	ANTENNA PORT:	TNC FEMALE
	RF RX PORT:	TNC FEMALE
	RF TX PORT:	N-TYPE MALE
	POWER/CONTROL PORT:	MS3470L1210P
<b>TEMPERATURE RANGE</b>	OPERATING:	-55°C TO +70°C
	STORAGE:	-55°C TO +85°C
<b>VOLTAGE</b>	28 VDC	
<b>POWER CONSUMPTION</b>	UP TO 50W	
<b>QUALIFICATION CATEGORY</b>	DO-160E (DETAILED INFORMATION CAN BE PROVIDED UPON REQUEST)	

### Features

- Single box unit with low noise receive amplifier and high gain transmit amplifier
- Reduces system size
- Utilized with an SDU
- Can be used with HGA-6500T and IGA-5001T antennas
- Can be mounted in non-pressurized environment



## SDU-5048

# SDU – SATELLITE DATA UNIT

### Technical Specification

<b>DIMENSIONS AND WEIGHT</b>	LENGTH:	343 MM
	WIDTH:	57 MM
	HEIGHT:	194 MM
	WEIGHT:	4.5 KG
<b>INTERFACES</b>	ARINC 600 CONNECTOR 3 CAVITIES:	
	TOP PLUG:	50 OHM COAX RF TX, CONFIG. PINS, ATE PINS
	MIDDLE PLUG:	ETHERNET, AUDIO, ARINC 429, SCM, DISCRETE
	BOTTOM PLUG:	50 OHM COAX RF RX, ANTENNA CONTROL
	DC POWER	
<b>TEMPERATURE RANGE</b>	OPERATING:	-40°C TO +55°C
	STORAGE:	-55°C TO +85°C
<b>VOLTAGE</b>	28 VDC	
<b>POWER CONSUMPTION</b>	UP TO 44W	
<b>QUALIFICATION CATEGORY</b>	DO-160E (DETAILED INFORMATION CAN BE PROVIDED UPON REQUEST)	

### Features

- IP data and VoLTE services
- 2 MCU package size
- Low pressure operation (unpressurized aircraft cabin)
- User friendly web interface