Series 11000 Tactical Hub

The Series 11000 Tactical Hub is a cost-effective, compact, and durable solution for military, comms-on-the-pause, first responders, disaster recovery, or other field operations, who will benefit from the flexibility, efficiency, and reliability of an ST Engineering iDirect hub solution. The Tactical Hub features the defense line cards, DLC-T and DLC-R. The DLC-R boasts a 4x increase in aggregate Msps, and supports up to 16 return channels.

Network Configuration

IFM	1F
SatCom Interfaces	Please refer to DLC specification sheets for detailed frequency ranges
Remote Requirements	Works with any Evolution® Series

Line Card Specifications

Software Requirements	iDX 3.4 and above
Model	Embedded DLC-T and DLC-R
Network Access Scheme	DVB-S2/ACM (up to 45 Msps), Adaptive TDMA (up to 29 Msps) Single Channel / MCD Composite
Topologies	Star
LAN Interface	RJ-45, Cat 5e, 10/100/1000 Mbps Ethernet
Security	FIPS 140-2 Level 3 Certified (#3056) TRANSEC module (E0002268)

Power Specifications

Input Voltage Range	100 – 240 VAC, single phase, 4A max at 100 VAC
Frequency	50 – 60Hz
Main Power Module	300 Watt
BTU	477 BTU/hr

Mechanical & Environmental

LED Display Module

Power, Rx, Tx, Status, Ethernet Link, Ethernet traffic, Rx IFLDC, fan

Size

43.18 cm x 37.47 cm x 8.74 cm (17 in x 14.75 in x 3.44 in (2 RU))

Weight

9.07 kg (20.0 lbs)

Temperature

0° to 45°C (32° to + 113°F), tested in accordance with MIL-STD 810G

Humidity

Operational over range of 5 to 95% non-condensing, tested in accordance with MIL-STD 810G

Altitude

Up to 3,048 m (10,000 ft), tested in accordance with MIL-STD 810G

Vibration and Shock

Operational and storage profile tested in accordance with MIL-STD 810G

Fans

Temperature controlled fans to reduce acoustic emissions

Mangement Control Module

Power reset switch, audible alarm on/off switch, over temperature sensor, fan status module, reset switch

Tactical Hub Bundle Includes

NMS and Protocol Processor

Dell PowerEdge XR2 Server; chassis W 17.08 in x D 20.11 x H 1.68 in, 26.00 lbs., 550 Watts (max) 115-240 VAC 50-60 Hz., iDRAC Express

Layer 3 Switch

Cisco Catalyst 3650 24PDM-E; 24 10/100/1000 Ethernet PoE+ and 2x10G Uplink ports, with 640WAC power supply, IP Services feature set, W17.5 in x D 11.625 in x H 1.73 in (1RU), 12.26 lbs., 100-240 VAC

ST Engineering iDirect | www.idirect.net

Esatcom Inc.

www.esatcom.com

Tel:

718.276.0800

Email:

sales@esatcom.com