

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 iDirect hub solution. The Tactical Hub features the next generation defense line cards, DLC-T and DLC-R. The DLC-R boasts a 4x increase in aggregate Msp, and supports up to 16 return channels.

Network Configuration

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

Line Card Specifications

Software Requirements	iDX 3.4 and above
Model	Embedded DLC-T and DLC-R line cards
Symbol Rates	Downstream: Up to 45 Msp Upstream: Up to 29 Msp Single Channel / MCD Composite TDMA
Network Access Scheme	DVB-S2/ACM on the outbound, deterministic MF-TDMA on the inbound
Topologies	Star
LAN Interface	RJ-45, Cat 5e, 10/100/1000 Mbps Ethernet
Security	FIPS 140-2 Level 3 TRANSEC

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 and Environmental

LED Display Module	Power, Rx, Tx, Status, Ethernet Link, Ethernet traffic, Rx IFLDC, fan
Size	W 17 in x D 14.75 in x H 3.5 in (2 RU) (W 43.18 cm x D 37.47 cm x H 8.89 cm)
Weight	20.0 lbs (9.07 kg)
Temperature	Operational: 32° to + 113° F (0° to 45° C), 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	Operational: Up to 10,000 feet (3,048 m) max, 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.
Management Control Module	Power reset switch, audible alarm on/off switch, over temperature sensor, fan status module, reset switch
Certification	FCC, CE, RoHS & cTUVus compliant WGS
NMS	Dell R230 Power Edge Server; W 17.09 in x D 19.5 in x H 1.75 in (1RU), 19.35 lbs., 250 Watt (max) 100-240 VAC, optional iDRAC support
Protocol Processor	Dell R230 Power Edge Server; W 17.09 in x D 19.5 in x H 1.75 in (1RU), 19.35 lbs., 250 Watt (max) 100-240 VAC, optional iDRAC support
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