

## 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 Msps, and supports up to 16 return channels.

### Network Configuration

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

### Line Card Specifications

<b>Software Requirements</b>	iDX 3.4 and above
<b>Model</b>	Embedded DLC-T and DLC-R line cards
<b>Symbol Rates</b>	Downstream: Up to 45 Msps Upstream: Up to 29 Msps Single Channel / MCD Composite
<b>Network Access Scheme</b>	DVB-S2/ACM on the outbound, Adaptive TDMA on the inbound
<b>Topologies</b>	Star
<b>LAN Interface</b>	RJ-45, Cat 5e, 10/100/1000 Mbps Ethernet
<b>Security</b>	FIPS 140-2 Level 3 Certified (#3056) TRANSEC module (E0002268)

### Power Specifications

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

### Mechanical and Environmental

<b>LED Display Module</b>	Power, Rx, Tx, Status, Ethernet Link, Ethernet traffic, Rx IFLDC, fan
<b>Size</b>	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)
<b>Weight</b>	20.0 lbs (9.07 kg)
<b>Temperature</b>	Operational: 32° to + 113° F (0° to 45° C), tested in accordance with MIL-STD 810G
<b>Humidity</b>	Operational over range of 5 to 95% non-condensing, tested in accordance with MIL-STD 810G
<b>Altitude</b>	Operational: Up to 10,000 feet (3,048 m) max, tested in accordance with MIL-STD 810G
<b>Vibration and Shock</b>	Operational and storage profile tested in accordance with MIL-STD 810G
<b>Fans</b>	Temperature controlled fans to reduce acoustic emissions
<b>Management Control Module</b>	Power reset switch, audible alarm on/off switch, over temperature sensor, fan status module, reset switch
<b>Certification</b>	FCC, CE, RoHS & cTUVus compliant WGS
<b>NMS and Protocol Processor</b>	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
<b>Layer 3 Switch</b>	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