

## 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 that will benefit from the flexibility, efficiency and reliability of an iDirect hub solution. Our Tactical Hub features 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>	Evolution® 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, A-TDMA on the inbound
<b>Topologies</b>	Star
<b>LAN Interface</b>	RJ-45, Cat 5e, 10/100/1000 Mbps Ethernet
<b>Security</b>	TRANSEC module (E0002268) CSIR* (DLC-R)

### 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>LEDs</b>	TX, TX STATUS, TX PWR, RX, RX STATUS, RX PWR, LNB PWR
<b>Size</b>	W 17.00 in x D 14.75 in x H 3.44 in (2RU) (W 43.18 cm x D 37.47 m x H 8.74 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>Certifications</b>	WGS Certification Pending FIPS 140-2 Level 3 (#3056) - TRANSEC Module on DLC-T and DLC-R
<b>Compliance</b>	MIL-STD 810G FCC, TUV & RoHS
<b>Bundled Components:</b>	
<b>NMS and Protocol Processor</b>	Dell PowerEdge XR11 Server; chassis W 15.74 in x D 18.77 in x H 1.68 in, 30.50 lbs., 1400 Watts (max) 115-240 VAC, 50-60 Hz., iDRAC Express
<b>Layer-3 Switch</b>	Cisco C9200L 24-Port Layer-3 Switch with 125W AC power supply, W17.50 in x D 13.80 in x H 1.73 in (1RU), 11.02 lbs., 100-240 VAC

*\*CSIR is controlled under the jurisdiction of the International Traffic in Arms Regulations (ITAR).  
Above specifications are Evolution only and software dependent*