



# TXC4

## DATA SHEET

### Tactical expeditionary Command, Control, Communications, and Computer node

Vehicular and man-pack, network edge IP routing.....

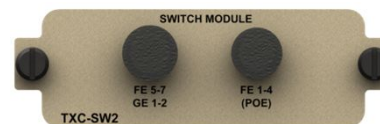
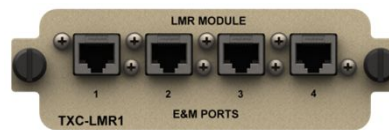
.....a proven CISCO solution by DTECH

The Wolverine tactical router/network gateway is a ruggedized, small form-factor, man-pack, or vehicle mounted solution used to provide users with data network capabilities required to facilitate critical communications.



A multi-functional platform offering Cisco routing/switching, virtual computing, along with plug-in capabilities that support communications across any network architecture, in addition to bridging different waveforms. This router supports data, voice and video while ensuring interoperability by leveraging ubiquitous network technologies.

The auxiliary/mission modules currently provide: RoIP cross-banding for narrow and wideband voice, a dual-radio MANET based wireless module, a Cisco managed switch module, and additional server storage via a dual-hard-drive module. Other capability modules are developed as user requirements are defined and without reengineering the base unit.





# SPECIFICATIONS



## General

Base P/N	TXC4-Base-CF1
Control Interface	Rotary Select Dial for 1 RJ45/Serial: Router, Switch, Server and Aux Module
Embedded COTS	<ul style="list-style-type: none"> <li>Cisco 5915 ESR router with Advanced IOS , 15.2(2), 15.2(3), or 15.4(2T)GC</li> <li>Cisco ESS 2020 Managed Switch with LAN Base IOS 15.0(2)EC</li> <li>Intel Dual Core i7 , 16 G RAM, 256 G SSD (User Specified Operating System)</li> </ul>
Management Tool	<ul style="list-style-type: none"> <li>Cisco CLI</li> <li>Optional DT Loader</li> </ul>
Software Environment	<ul style="list-style-type: none"> <li>Cisco IOS on Router &amp; Switch;</li> <li>Windows, LINUX, UNIX, VMWare on embedded Core i7 Server.</li> </ul>
User/WAN Interface(s)	Router/Switch: Qty 8 - 10/100 ETH (4 PoE Ports) ; Qty 2 – 10/100/1000 Switch ETH; Qty 1 – 10/100/100 Server ETH, Qty 2 USB (Keyboard, Mouse), Qty 1 VGA
Security	AES, FIPS 140-2

## Physical and Environmental

Size (no handles)	3.13”H X 10.5”W X 8.65”L	
Weight	10.0 pounds	
Temperature Range	<ul style="list-style-type: none"> <li>Operational: -20° to +65° C</li> <li>Storage: -40° to +85° C</li> </ul>	
MIL-STD 461F Compliant TXC4-BASE, TXC-MANET	RE102 Radiated Emissions, Electric Field, Helicopters, Navy Mobile, & Army Ground	30MHz to 6GHz
Designed to the following MIL-STD 810 Categories	Methods: <b>501.4</b> (High Temp Procedure I and II), <b>502.4</b> (Low Temp Procedure I and II), <b>506.5</b> (Procedure I – Rain and Blowing Rain), <b>513.5</b> (Acceleration), <b>510.4</b> (Sand and Dust Procedure I – Blowing Dust), <b>514.5</b> (Vibration – Wheeled Vehicle, 3 hour/axis), <b>515.5</b> (Acoustic Noise), <b>516.5</b> (Mechanical Shock, 30g, 11ms half-sine assumed, 3 shocks per direction/axis), <b>517.4</b> (Humidity)	
Color	Olive Drab or Desert Tan	
MTBF	240,617 Hours Ground Benign	30,077 Hours Ground Mobile

Accessories (Included w/Base)	Capability (Option) Modules	Power	
DC Cable – P/N TXC4A3119-60	Radio Cross Band (audio) – P/N TXC-LMR	Power Input	10 – 36 VDC
AC/DC Supply – P/N TXC4-DPS1	ETH Switch Module(s) – P/N TXC-SW1, TXC-SW2, TXC-SW2-DB (Breakout Box)	Power	40 Watts
Light Discipline – Integral Black-out Switch	Dual MANET Radio – P/N TXC-MANET	Consumption	Nominal
Advanced IOS (Router) ; Qty 1 Server OS (customer Specify); 1 Yr Cisco SMARTnet	Additional Hard Drive Storage - TXC-SSD (1 TB, 2x480 GB SSD)		

**To schedule a demonstration or to see how DTECH LABS can help meet your mission requirements, please contact us at:**  
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The information contained herein has been reviewed in accordance with the International Traffic in Arms Regulations, 22 CFR 120-130, and the Export Administration Regulations, 15 CFR 730-774, and determined by DTECH Export Control Department to be rated EAR99. General Prohibitions still apply. Specifications are subject to change without notice.

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