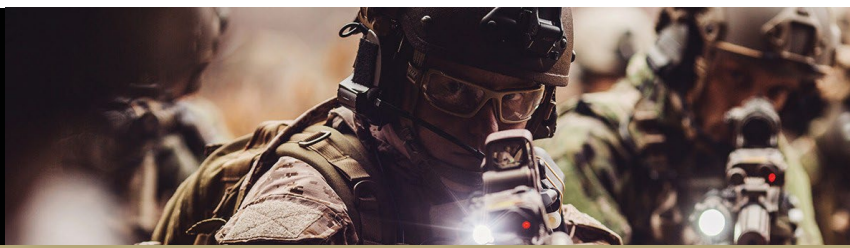


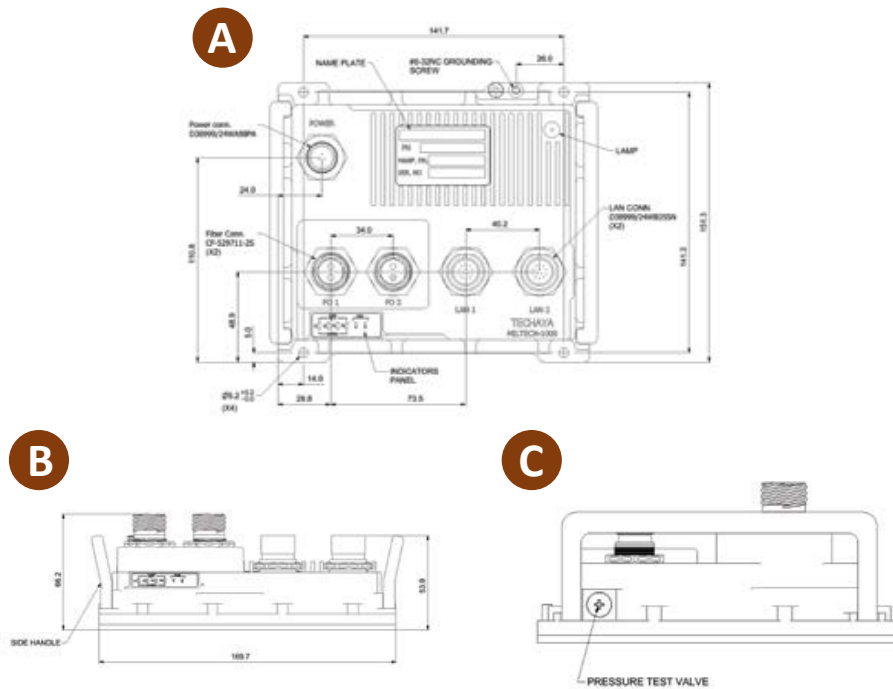
## SPECIFICATIONS

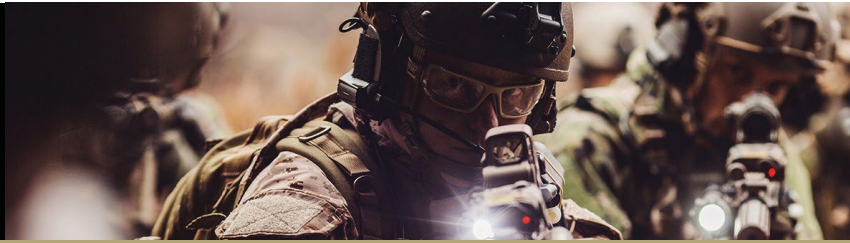
ETHERNET PORTS:	<ul style="list-style-type: none"> <li>Up to 2 x 10/100/1000Base-TX and up to 2 x 100/1000 Base FX (MM/SM) Media Converter (WDM - Optional)</li> </ul>
NETWORKING:	<ul style="list-style-type: none"> <li>Full wire-speed forwarding rate</li> <li>Option for Up to 2 ports PoE – IEEE802.3af, IEEE802.3at</li> <li>Auto MDI-II, MDI-X, FDX, HDX, Flow control</li> <li>Auto-Negotiation and fixed settings via DIP switch</li> <li>Jumbo Frame Support</li> <li>Option for one way fiber security</li> </ul>
CONNECTORS:	<ul style="list-style-type: none"> <li>MIL-D-38999 (Power &amp; Ethernet signals)</li> <li>Power Connector Type: D38999/24WA98PA</li> <li>LAN Connector Type: D38999/24WB35SN</li> <li>Fiber Connector Types: See ordering information table</li> <li>LED Indication Per Port (Speed, Link/Activity)</li> </ul>
CHASSIS:	<ul style="list-style-type: none"> <li>Machined rugged aluminum</li> <li>Conductively cooled w/custom internal heat-sinks</li> <li>Ingress protection against sand, dust and moisture</li> <li>Anodize Coating, MIL-A-8625, Type II, Class 2</li> </ul>
STANDARDS:	<ul style="list-style-type: none"> <li>MIL-STD-1275   MIL-STD-704A   MIL-STD-461E</li> <li>MIL-STD-810F GM   IP67</li> </ul>
PERFORMANCE:	<ul style="list-style-type: none"> <li>26.8 Mpps wire speed forwarding rate</li> <li>20Gbps maximum forwarding bandwidth</li> <li>4K MAC Address</li> <li>2LED indication (Speed, Link/Activity) per port</li> <li>Wire-Speed Reception and Transmission</li> </ul>
STANDARDS COMPLIANCE:	<ul style="list-style-type: none"> <li>IEEE 802.3, 10 Mbps 10BASE-T (Ethernet)</li> <li>IEEE 802.3u, 100BASE-TX 100 Mbps (Fast Ethernet)</li> <li>IEEE 802.3ab, 1000Base-TX</li> <li>IEEE 802.3z, 1000Base-FX Gigabit</li> <li>IEEE 802.3af, IEEE802.3at</li> </ul>
POWER:	<ul style="list-style-type: none"> <li>MIL-STD-1275B &amp; MIL-STD-704A Surge and Spike protection</li> <li>Voltage Input: 24VDC Nominal (18-32V) or 85-265VAC</li> <li>Power Consumption: 2.8W Typical</li> <li>Chassis grounding</li> <li>AC version with MILSTD 1399 is also available</li> </ul>
ELECTROMAGNETIC:	<ul style="list-style-type: none"> <li>MIL-STD-461E Electromagnetic compatibility</li> </ul>
SHOCK/VIBRATION/HUMIDITY:	<ul style="list-style-type: none"> <li>MIL-STD-810F   501.4I   501.4II   502.4I   502.4II   507.4   500.4II   514   516I   516Vi   514.5   512.4  </li> <li>IP67</li> </ul>
PHYSICAL:	<ul style="list-style-type: none"> <li>Dimensions: 170mm(L) x 151mm(W) x 61mm(H), including connectors</li> <li>Dimensions: 6.7”(L) x 5.9”(W) x 2.4”(H), including connectors</li> <li>Weight: 1.5kg</li> </ul>



## SPECIFICATIONS

INSTALLATION:	<ul style="list-style-type: none"> <li>• Four 4x5.2 mounting holes on bottom for mounting to any flat surface</li> <li>• Carrying handles - Optional</li> </ul>
COOLING:	<ul style="list-style-type: none"> <li>• No Moving Parts. Passive Cooling</li> </ul>
OPERATING TEMP:	<ul style="list-style-type: none"> <li>• -45°C to +85°C (-49°F to +185°F). Cold Start-Up</li> </ul>
STORAGE TEMP:	<ul style="list-style-type: none"> <li>• -45°C to +85°C (-49°F to +185°F)</li> </ul>





**ORDERING INFORMATION** Options for MILTECH1000/1000AC\*

1-1000-**A-B-C-D-E**

A	Fiber and copper ports combination
1	1 fiber port and 1 copper port D38999 connector
2	2 fiber ports and 2 copper ports D38999 connector
3	1 fiber port and 2 copper ports D38999 connector
4	2 fiber ports and 1 copper port D38999 connector
5	1 fiber port and 1 copper RJFTV45
6	2 fiber ports and 1 copper port RJFTV
7	2 fiber ports, no copper ports

B	Fiber connector types
1	D38999
2	TFOCA
3	CTOS
4	ARINC801
5	TACBeam
6	LC CIRCULAR CONNECTOR

C	Fiber port #1 type / speed
0	None
1	Multimode fiber 100Mbps
2	Multimode fiber 1000 Mbps
3	Singlemode fiber 100 Mbps distance 30 Km
4	Singlemode fiber 1000 Mbps distance 30 Km
5	WDMA TX 1310nm/RX1550nm 100Mbps distance 20Km
6	WDMA TX 1310nm/RX1550nm 1000Mbps distance 20Km
7	WDMB TX 1550nm/RX1310nm 100Mbps distance 20Km
8	WDMB TX 1550nm/RX1310nm 1000Mbps distance 20Km

D	Fiber port #2 type / speed
0	None
1	Multimode fiber 100Mbps
2	Multimode fiber 1000 Mbps
3	Singlemode fiber 100 Mbps distance 30 Km
4	Singlemode fiber 1000 Mbps distance 30 Km
5	WDMA TX 1310nm/RX1550nm 100Mbps distance 20Km
6	WDMA TX 1310nm/RX1550nm 1000Mbps distance 20Km
7	WDMB TX 1550nm/RX1310nm 100Mbps distance 20Km
8	WDMB TX 1550nm/RX1310nm 1000Mbps distance 20Km

E	Special configurations
0	4 ports switch mode All ports are inter connected
1	Dual media converter mode, complete segregation between Ports
2	PSE
3	PD
4	PSE and Dual Media Converter mode, complete segregation between Ports

\*Ordering Information for AC power supply version use 1000AC-A-B-C-D-E  
\*AC version with MILSTD 1399 is also available

**ORDERING INFORMATION**

PART NUMBER	DESCRIPTION
2-CBL908LAN	LAN Harness for MILTECH908/1000
2-CBL610PW3M	Power Harness for MILTECH610/1000