



XDT – Tactical Guard Family

Features & Benefits

- Low Size, Weight and Power (SWAP)
- Raise-The-Bar Compliant Architecture
- 100% solid-state
- Open-standards based
- Intuitive GUI
- Easy to use, train and sustain
- Flexible conversion to accredited chain
- Meets MIL-STD Airworthiness
- Gigabit data Streaming-FMV/Cursor-on-Target
- Streaming Protocol support

Today's global threats require multi-domain data convergence to enhance joint operations at every echelon. The Cubic XD Tactical Guard Family provides enterprise capability at the edge. Designed as pre-configured, off-the-shelf appliances with a common cross-domain framework, Cubic XD offers a full range of Raise-The-Bar (RTB) compliant, Unclassified to Top Secret cross-domain solutions.

With robust functions, Cubic XD Cross Domain solutions support maximum operational versatility, including secure live video stream scanning. They are ideal for any mission set requiring one-way or two-way cross-domain capability. For Full-Motion Video (FMV), Cubic's core focus is the reduction of latency and compression degradation for quicker, clearer video streams that also meet RTB compliance with redundant filter sets. Cubic also provides system and time synchronization between security domains, supporting situational awareness of systems and security events.

Cubic XDT guards are ideal for low size, weight and power (SWAP) operational applications such as: dismount, vehicle, aircraft, or vessel. The rugged, 100% solid state appliances can survive in the most austere environments, meeting airworthiness and ground mobile MIL-STD specifications.

Cubic understands that ease-of-use, sustainment and reliability reduce the need for training and costly support. Cubic XD's intuitive GUI is simple to learn and easy to use, which allows users to modify rule-sets at the tactical edge without cumbersome maintenance and support.

XDT Guard

Specifications



Module	XDT	XDT-AIR	M3-SE-XDT
Processor/Core			
Processor	Intel Atom 4-Core	Intel Atom 4-Core	Intel Atom 4-Core
Computer Specifications			
RAM (GB)	4GB Standard, 8-16GB available	4GB Standard, 8-16GB available	4GB Standard, 8-16GB available
Interfaces			
Number of Ports (per side)	1x power input port 1x USB 2.0 port 1x RJ45 Ethernet port	1x power input port 1x USB 2.0 port 1x RJ45 Ethernet port	1x power input port 2x USB 2.0 port 4x RJ45 Ethernet ports
Power Specifications			
Power Input	12 volts DC	28 volts DC	10-30 volts DC
Power Output	None	None	None
PoE+	None	None	None
Power Consumption	Min: 20 Watts Max: 30 Watts	Min: 20 Watts Max: 30 Watts	Min: 20 Watts Max: 30 Watts
Physical Specifications			
Height	1.32 in / 3.34 cm	1.75 in / 4.45 cm	1.52 in / 3.87 cm
Width	8.32 in / 21.12 cm	8.32 in / 21.12 cm	10.25 in / 26.04 cm
Depth	6.38 in / 16.20 cm	7.87 in / 19.99 cm	5.06 in / 12.85 cm
Weight	1.9 lbs / 0.86 kg	2.35 lbs / 1.07 kg	< 2.5 lbs / 1.13 kg
Operational Temperature	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)	-40°C to 80°C (-40°F to 176°F)	-40°C to 70°C (-40°F to 158°F)
Certifications			
Designed to meet	MIL-STD-810G	MIL-STD-810G	CE & RoHS

Example System Topology

