DTECH M3X

CUBIC | Mission Solutions

Side-to-side connection for ease of carry in laptop case or bag

Pass-through power and Ethernet for cable-less connection and faster deployment

Commercial profile color and size for low signature usage

Smart Battery Power Module displays up time and can be stacked anywhere between modules

NO CHASSIS REQUIRED!

Multiple modules for mission adaptations

CSFC capable components

FEATURES AND BENEFITS

MODULAR
The patent-pending design passes both power and Ethernet between the modules without the need for cabling utilizing a Raised Angle Connector (RAC), significantly reduces setup time and complexity.

SMART POWER CAPABILITY
The Battery Power Supply (BPS) of the M3X allows for complete knowledge of the health and status of the battery and AC power throughout the system. The LED display can toggle between menu items to view power load, remaining battery power and errors. The BPS can be stacked limitlessly for additional battery reserve, hot swapped and placed anywhere in the stacked system.

INTERLOCKING RAIL SYSTEM
An interlocking rail system allows the modules to slide together both horizontally and vertically. A single resilient lever design allows quick detachment and reconfiguration.

ENVIRONMENTALLY RESILIENT
The M3X meets IP-67, MIL-STD 810 and 461 certification standards. It is designed to handle the harshest environments while providing the same reliability as our other popular products.

COMMON MODULES

M3X-RTR
The M3X-RTR uses the Cisco 5915 Embedded Services Router as the core of its functionality. Offering 3 POE+ capable ports when in standalone mode, plus two rear non-POE ports. An auto-connect feature maps two of the rear ports to the raised angle connector when attached to other modules.

M3X-APP
The compute module leverages the latest in Intel-based I7 processors in a fully IP-67 rated enclosure. It adds a robust 32 GB of RAM and 1 TB SSD storage, along with an optional wireless module in Wi-Fi or cellular capability. The M3X-APP is both an application server, virtual router, firewall or network acceleration device.

M3X-SW24
The M3X-SW24 uses the Cisco ESS-2020 switch delivering 24 ports in half the size of other tactical switches using the innovative RJpoint5 Connector. The auto connect feature maps two switch ports to the raised angle connectors when attached to other modules significantly expediting expansion without external cables.

M3X-BPS
The M3X-BPS (Battery Power Supply) provides on-demand, smart battery power and failover during loss of AC power. It features a factory programmable LED screen allowing the user to see various functions, status and battery life. It features a USB 3.0 power-only port to provide electrical charging and operation for next-gen crypto and radios.

M3X — Mobile. Micro. Modular.

Module	M3X-APP	M3X-RTR	M3X-SW24	M3X-BPS
Dimensions				
Length (in)	8.16	8.16	8.16	8.16
Width (in)	5.75	5.75	5.75	5.75
Height (in)	2.6	1.35	2.6	1.35
Weight (lbs)	3.5	3.5	3.5	3.5
IP-67	Yes	Yes	No (Future variant capable)	Yes
Power Consumption	~30W	~10W	Dependent on POE Use	NA
Input	10-32 VDC Wide Range	10-32 VDC Wide Range	10-32 VDC Wide Range	10-32 VDC Wide Range
Output	12V Rear IO	12V Rear IO	12V Rear IO	100W Through RAC
			90W with full POE+ (4 ports)	5V Through USB
Number of Ports	2 - Dedicated Raised Angle Connector Gbe 2- Rear Gig Ports 2- Front GigE SMA Antenna ports (Optional)	5 Total 2 - Switched 10/100 (FE) Ports for VoIP/User 1 -FE Routed RJ45 (PoE+ Enabled - RJ45) 2-10/1000 RJ45 Switch Ports	26 Total 21 - 10/100 (FE) Ports (RJ point 5) 1- Rear 2 - 10/100 Connector Up/Down (4 - PoE+ Enabled) 2-10/100/1000 shared SFP/RJ.5	1- USB 3.0 (POWER ONLY)
SFP	None	None	2 - 10/100/1000 (GbE) Ports (SFP shared/ GE Copper Port)	NA
Ancillary	1-USB Micro Console	1-USB Micro Console	1-USB Micro Console	
Processors	Intel Xeon Processor	Cisco	Cisco	NA
RAM	32 GB	512 MB		NA
Storage	.5-2 TB	256 MB	1 - Console Port (RJ point 5)	NA
Warranty	Standard 2 Year/Optional 3-5 Years	Standard 2 Year/Optional 3-5 Years	Standard 2 Year/Optional 3-5 Years	Standard 2 Year/Optional 3-5 Years
Features	Fully Sealed, IP-67 Computer	Erase Button	Erase Button, Dense RJpoint5 Connection	LED Screen, Rotary Knob for Status, Hot Swap and Power Bonding

▪ ADDITIONAL DETAIL ▪

Various configurations and IP-67 design make the M3X suitable for command post, vehicle and airborne operations.

▪ OTHER MODULES ▪

M3X-SW24G
The M3X-SW24G leverages the new Cisco ESS-3300 Switch with 24 one gigabit Ethernet ports and 2 ten gigabit Ethernet ports.

M3X-SW8G
The M3X-SW8G Leverages the new Cisco ESS-3300 Switch with 8 one gigabit Ethernet ports and 2 ten gigabit Ethernet ports.

M3X-ROIP
Leverageing Cubic's Vocality Radio Over IP module, the M3X-ROIP provides analog to digital conversion of Land Mobile Radio voice communications to IP networks. Utilizes cellular backhaul, dynamic routing protocols, and a built-in LMR dispatch console.

M3X-ADP
The M3X-ADP is multipurpose adapter plate with multiple mounting options for next-generation HAIPE encryptors, cellular modules or radio systems.