

## VITA 41 Development enclosure built with all aluminum guide decks for rugged applications.

Triple E has a special team dedicated to subsystem design, which typically includes such components as a backplane, a power supply and cooling devices, all completely assembled and fully tested. Triple E is the vendor of choice for companies requiring reliable, rugged systems configured to specification and delivered on time.

The Triple E VXS Enclosure is constructed using our patented aluminum ( 901 series ) guide deck assemblies. Designed in accordance with IEEE1101.10. Accommodates twelve 6U x 1,6mm x 160mm size boards. The front rails utilize a stainless steel injector/ejector plate because of the high insertion forces required to insert boards. Air flow is front lower intake with rear top exhaust using three DC fans.

Triple E's enclosures are built with all aluminum construction with a durable smooth aluminum powder coat finish. The front of unit includes a on/off rocker switch and power supply voltage LED's. The power Supply is mounted on a rear hinged door.

### Power Supply specifications:

800 watt Power Factor Corrected  
Nominal input: 115 – 240 VAC  
Operational input: 90 - 264 VAC  
Outputs: +5VDC@120A, +3.3VDC@40A,  
+12VDC@12-20pk, -12VDC@10A

### Operating Temperature:

-40° C to +50° C operating temperature with full load.

### Storage Temperature:

-40° C to +85° C

EMC: Meets EN55022 level A / FCC class A conducted  
Safety: UL1950, CSA C22.2 No. 950, EN60950



### Ordering information:

**D+4112-12M-80-00-RM-A1**

### Physical size:

8U Tall x 19" rack-mount x 15" deep

### Backplane specifications:

Conforms to VITA 41.0 Rev 1.10 VXS core specification.  
Conforms to VITA 38 specification for system management  
Switched serial traffic over P0 of VME64x backplane  
High-speed Multi-Gig RT-2 connector for up to 6.4 Gbps  
traffic over P0.

Compatible with VME64x COTS Boards that do NOT  
include the P0 connector.

Dual Star configuration

18 Layer board, controlled-impedance stripline design

2 oz. Copper power and ground

PCB Nelco 4000-13SI, 0.198" Thick

PCB UL recognized 94V-0

Two switch card slots, indicated with Sapphire blue  
cardguides.

Ten Payload card slots

160-pin Class II VME mechanical ABG Connectors in J1

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