

VME64x MicroChassis 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 VME64x MicroChassis is constructed using our patented aluminum (MaxAir. 10™) guide deck assemblies. Designed in accordance with IEEE1101.10 and IEEE1101.11 for rear plug up. Accommodates 6U x 1,6mm x 160mm size boards in front and 6U x 1,6mm x 80mm direct plug-in rear transition boards. Designed with a removable fantray under PCB's. Air flow is bottom up thru boards optimizing cooling with Triple E's style of guide decks.

Triple E's enclosures are built with all aluminum construction with a durable powder coat finish. Power Supply is mounted on rear hinged door for easy access to rear of backplane and has a removable I/O panel for routing cables. Includes perforated top and bottom covers over PCB area.

Power Supply specifications:

Nominal input: 115 – 240 VAC

Operational input: 90 - 264 VAC

Outputs: +5VDC, +3.3VDC, +12VDC, -12VDC

Operating Temperature:

-40° C to +50° C

Storage Temperature:

-40° C to +85° C

EMC: Meets EN55022 level A / FCC class A conducted

Safety: UL1950, CSA C22.2 No. 950, EN60950



Backplane specifications:

Conforms to VME64x specification (ANSI/VITA1.1-1997)

10-layer controlled impedance stripline construction

2oz. Copper power & ground

PCB UL recognized 94V-0, Material FR-4 or equivalent

OnBoard, inboard termination

Outer ground layers for mechanical protection and EMI/RFI shielding

Active BusGrant / IACK daisy chain used.

Operating Temperature:

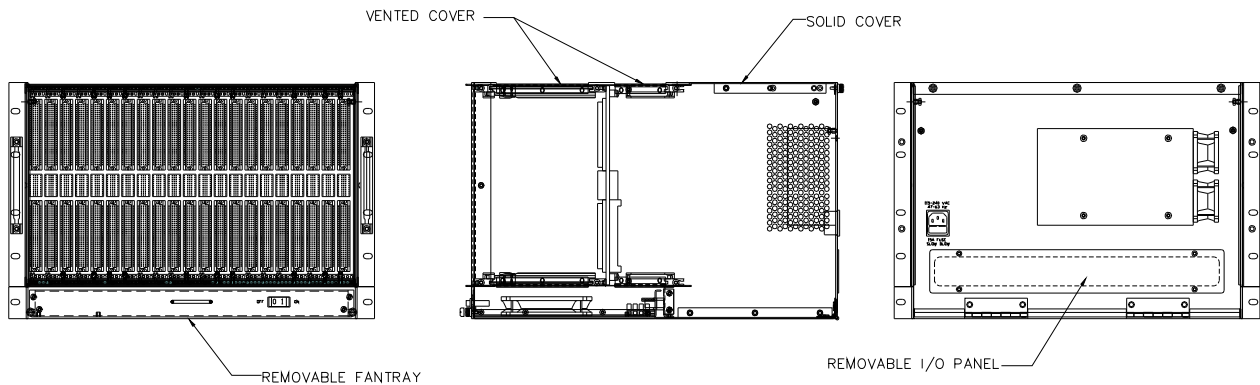
-40° C to +85° C

Storage Temperature:

-55° C to +85° C



Specifications:

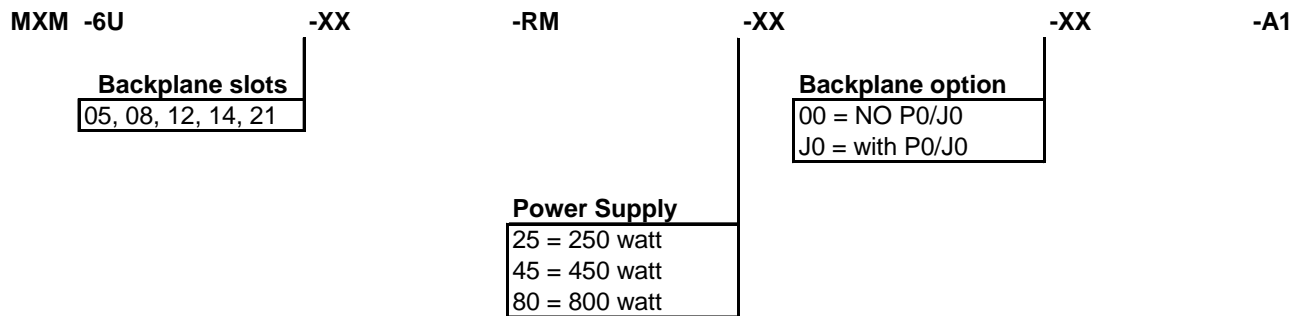


7U tall x 19" rack-mount x approx 19" deep

Power supply outputs:

250W = +5@40A, +3.3@20A, +12@4A, -12@1A
 450W = +5@50A, +3.3@40A, +12@12-20pk, -12@4A
 800W = +5@120A, +3.3@40A, +12@12-20pk, -12@10A

VME64x MicroChassis Ordering information



Example: A 7U x 84HP (19" rack-mount) chassis with 12 slot backplane with P0/J0 and a 450w PSU.

Order code: MXM-6U-12-RM-45-P0-A1

Notes:

Available options include filler panel's & PMA's. Please consult factory for order codes and availability.
 All MicroChassis include 80mm rear transitional card guides per IEEE1101.11
 The number of rear guides equals the number of backplane slots.
 Additional backplane sizes may be available, please consult factory.