

TYPE 32, VPX/VXS HYBRID PORTABLE TOWER



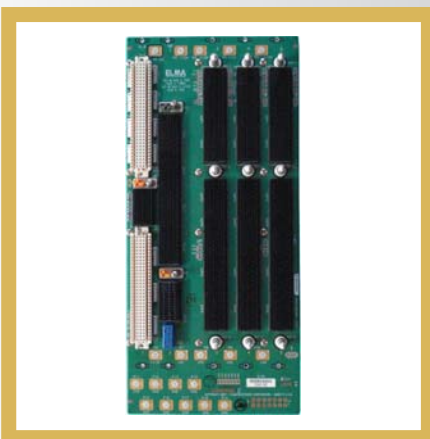
FEATURES

- 2 VXS slots (1 payload + 1 switch slot) + 3 VPX slots backplane
- Pluggable 1332W power supply
- 2x 190CFM fan assembly
- 5 front boards 6U x 160mm, 5 rear boards 6U x 80mm
- 4U wide x 84HP high portable tower
- Advanced EMC shielding
- Ready to run - turnkey solution
- Custom configurations available

OVERVIEW

The VPX/VXS portable tower chassis supports a 5-slot VPX/VXS hybrid backplane. The VPX/VXS is equipped with 2 VXS slots (1 payload and 1 switch) and 3 VPX slots. The chassis complies to the IEEE 1101.10/11 specifications with vertical mounting for 6U x 160mm cards from the front and 6U x 80mm I/O cards from the rear to support Rear Transition Modules (RTMs).

The VPX/VXS is configured with a single pluggable 1332W power supply and offers front to rear airflow cooling. EMC compliance was addressed in the design of the VPX/VXS to enable it to meet the strict requirements of CE and FCC. Portability makes this chassis ideal for prototyping, demonstrations, and mobile applications and converts to an open frame for testing/debugging.



BACKPLANE FEATURES

- 6U Hybrid Custom VITA 41/46, VPX/VXS 5-Slot backplane
- 2 VXS slots (1 payload/1 switch) + 3 VPX slots
- 22 layer board
- PCB .214" thick
- 5.380" wide x 11.716" high
- Power bugs for +/-12V, 5V, 3.3V, and V I/O

Slot Pitch:

0.8" (20.32 mm) between slots 1 & 2 (VXS Slots)

1.4" (35.56 mm) between slots 2 & 3

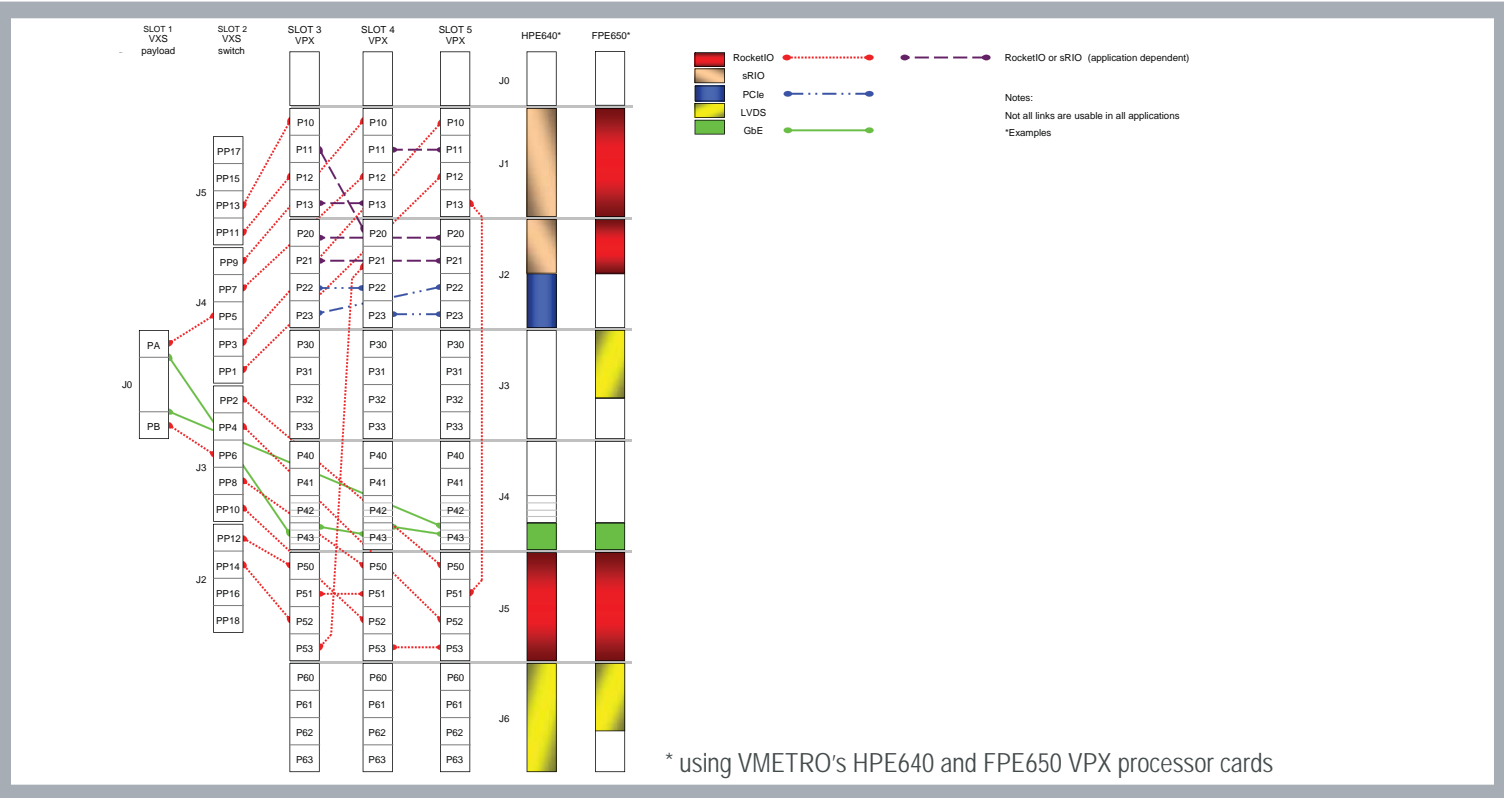
1.0" (25.40 mm) between slots 3, 4 & 5 (VPX Slots)

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Backplane utilizing Multi-Gbps Serial Links

Backplane Diagram in VPX/VXS chassis

This backplane provides 2 VXS slots (1 payload and 1 switch) and 3 VPX slots necessary for high speed serial communications.



Environmental Specifications

	Operating	Storage/Transit
Temperature:	0°C to +50°C	-20°C to +70°C
Altitude:	6000 ft. (1,829m)	50,000 ft. (15,240m)
Humidity:	5% to 95% Non condensing	5% to 95% Non condensing
Shock:	10 G's @ 11ms	15 G's @ 11ms (per ASTM 0775)
Vibration:	1.0 G's @ 10 to 330 Hz	1.2 G's @ 5 to 330 Hz
Agencies:	Designed to meet UL 1950, FCC, A, B, CE	

Order Information

Description	Model Number
Type 32, VXS 6U System Platform	32V05YYX8Y4V6CM1
<ul style="list-style-type: none"> • 6UH x 84HP W x 420mm D • Holds 5, 6U x 160mm Cards • 5 Slot VXS Backplane, Hybrid, 2 Slot VXS + 3 Slot VPX • 2x 190CFM Fan Assembly • 1332W: 12V @ 50A, 5V @ 80A, 3.3V @ 40A, 12V @ 8.3A, -12V @ 8.3A 	
VPX/VXS, Hybrid Backplane	69VPX-BP2-1000
<ul style="list-style-type: none"> • 6U Hybrid Custom VITA 41/46, VPX/VXS 5-Slot backplane • 2 VXS slots (1 payload/1 switch) + 3 VPX slots • Optimized via signal integrity studies 	

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- Custom Configurations

32V

1 2 3 4 5 6 7 8 9 10 11 12 13

1,2) Num. of Slots BP

00-21: Single BP AY-YA: Split

Example: 7 slot = 07

Example: 12 + 9 = LI

• 20 = 20 Slot

3) BP Bare board

- L = VXS (DS)
- P = VPX, 6U (VITA 46)
- W = VPX, 3U (VITA 46)
- S = VXS (SS)
- T = VXS (Mesh)
- X = No BP installed
- Y = Hybrid
- Z = Custom

4) BP Connector Config: J1/J2/P0

- L = 5 row, w/o P0, w/ RT-2
- X = No connectors
- Y = Hybrid
- Z = Custom

5) Drives

- 1 = 1 X 3.5"
- 2 = 2 X 3.5"
- 3 = 1 X 5.25" HH
- 4 = 2 X 5.25" HH
- 5 = 4 X 5.25" HH
- 6 = 2 X 3.5", 1 X 5.25"HH
- 7 = 1 X 3.5", 2 X 5.25"HH
- 8 = 2 X 3.5", 2 X 5.25"HH
- 9 = 1 X 3.5", 1 X 5.25"HH
- A = 1 x 2.5", 1 X CDROM (SL)
- B = 2 x 2.5"
- C = 6 x 5.25" HH
- D = 1 x slim line CDROM
- X = Not installed

6) Width

- 8 = 84T

7) Rear I/O

- Y = Yes
- N = No

8) Depth

- 4 = 400mm - 499mm

9) Card Orientation

- V = Vertical

10) Height

- 6 = 6U

11) PSU Input

- A = 110/220VAC (Plug In)
- C = 90-230VAC (Fixed)
- E = 110/220VAC (2 x HS, N+1)
- G = 90-230VAC (Plug In)
- H = 48VDC (Plug In)
- K = 48VDC (Fixed)
- M = 48VDC (2 x HS, N+1)
- N = 28VDC (Fixed)
- O = 28VDC (2 x HS, N+1)
- P = 90-230VAC(2 x HS, N+1)
- X = No PSU

12) PSU Output (Note: Not all PSU combinations available)

- 1 = 100-199 (w/o 3.3V)
- 2 = 200-299 watts (w/o 3.3V)
- 3 = 300-399 watts (w/o 3.3V)
- 4 = 400-499 watts (w/o 3.3V)
- 5 = 500-599 watt (w/o 3.3V)
- 6 = 600-699 watt (w/o 3.3V)
- 7 = 700-799 watt (w/o 3.3V)
- 8 = 800-899 watt (w/o 3.3V)
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- G = 700-799 watt (w/ 3.3V)
- H = 800-899 watt (w/3.3V)
- I = 900-999 watt (w/3.3V)
- J = 1000-1099 watt (w/3.3V)
- K = 1100-1199 watt (w/3.3V)
- L = 1200-1299 watt (w/3.3V)
- M = 1300-1399 watt (w/3.3V)
- N = 1400-1499 watt (w/3.3V)
- X = Not installed

13) Shielding Level

- 0 = Level 0
- 1 = Level 1
- 2 = Level 2
- X = Not installed