

3U VPX Power and Ground Only Development Platform

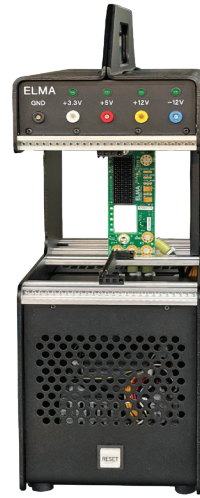
CompacFrame, Type 39P

DESCRIPTION

Elma's all-new slimline CompacFrame is the next-generation platform designed to accelerate development and test of Plug-In Cards (PICs). The 3U card cage in the platform is tilted upward by 5° for easier card access and accommodates backplanes up to 4 slots.

Functional Features

- Accommodates up to 4-slot 3U OpenVPX backplanes or up to two single-slot 3U VPX power & ground only backplanes
- 300W ATX PSU standard, with option to replace with 3U VITA 62 plug-in power supply
- Integrated carry handle
- 5° upwards tilt to card cage
- Front panel voltage indicating LEDs and test points
- Front panel reset and rear power entry module
- Optional plug-in VITA 46.11 compliant Shelf Manager (ChMC)
- Accommodates air-cooled and conduction-cooled plug-in cards (PICs)
- 3U Rear RTM Slots available

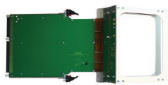


APPLICATIONS

The CompacFrame family of development platforms facilitate new card and system design implementations and testing.

- › Sensor payloads
- › Electronic Warfare (EW)
- › C5ISR
- › Target tracking and display
- › Navigation Systems
- › Threat detection
- › Image and data processing

RELATED PRODUCTS

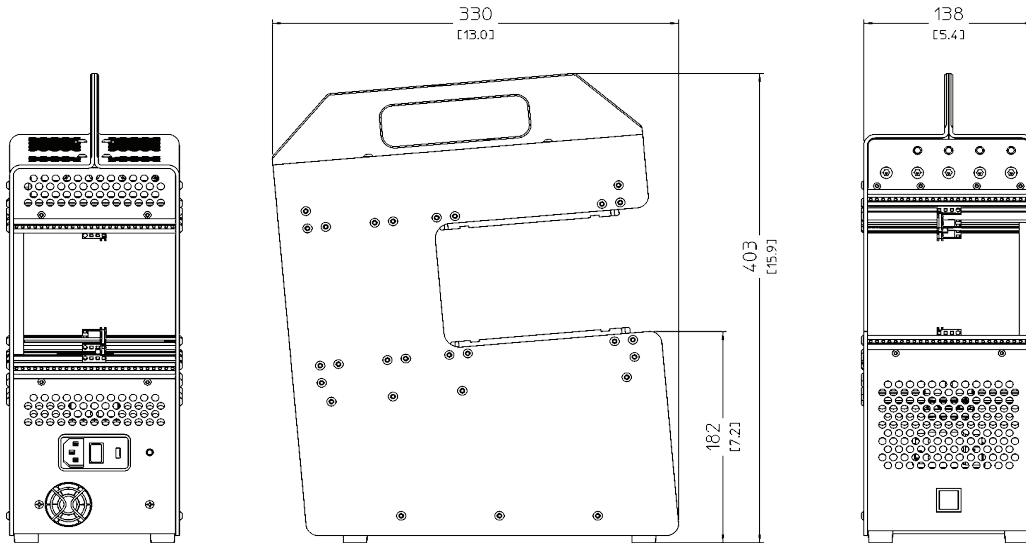


- › Load boards and extender boards
- › Rear transition modules
- › Backplane interconnect cabling
- › Pluggable power supplies
- › Complete line of payload boards
- › Application ready integrated systems
- › VITA 46.11 Shelf Manager

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LINE DRAWING



ELECTRICAL SPECIFICATIONS

AC Input

- > Input Voltage 90 – 264 VAC
- > Input Current 6.3A max.
- > Input Frequency 47 – 63 Hz

OUTPUT SPECIFICATIONS

Voltage	+5V	+12V	+3.3V	-12V
Max Load	35.0A	18.0A	28.0A	1.0/3A
Min Load	0-1.0A	0-0.5A	0-0.3A	0.0A
Peak Load	---	22.0A	---	---
Regulation	±5%	±5%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	120mV

ORDER INFORMATION

Height	Description	Model Number
3U	CompacFrame, up to 4 slots	Type 39P
3U	CompacFrame with 1-slot power and ground VPX backplane with VITA 67.3C aperture (Backplane Model #: 101V301P04-9X13)	39P01BWX6ZY2VCC0-T1
3U	CompacFrame with 1-slot power and ground VPX backplane (Backplane Model #: 101VPX301P-9X13)	39P01BWX6ZY2VCC0-T2
3U	CompacFrame with 1-slot power and ground VPX backplane with VITA 67.3D aperture (Backplane Model #: 101V301P05-9X13R)	39P01BWX6ZY2VCC0-T4

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Custom Configurations

39P

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

1, 2) Number of Slots BP

- 00-21: Single BP
 - AA-YY: Split
- Example: 7 slot = 07
Example: 12 + 9 = LI

3) BP Bare Board

- A = oVPX, 6U, 1" (VITA 65)
- B = oVPX, 3U, 1" (VITA 65)
- C = oVPX, 6U, .8" (VITA 65)
- D = oVPX, 6U, .8" (VITA 65)
- H = oVPX, 6U, 1" + .8" (VITA 65)
- I = oVPX, 3U, 1" + .8" (VITA 65)
- P = VPX, 6U, 1" (VITA 46)
- W = VPX, 3U (VITA 46)
- X = No BP Installed
- Z = Custom

4) BP Connector Config: J1/J2/PO

- S = RT-2(J0-J6) 6U
- U = RT-2(J0-J2) 3U
- V = RT-2(J0-J6) 6U, RTM
- W = RT-2(J0-J2) 3U, RTM
- X = No Backplane
- Y = Hybrid

5) Drives

- X = Not Installed

6) Height

- 6 = 6U
- 9 = 9U

7) Width

- 4 - 42T (49T)
- 8 - 84T

8) Rear I/O

- Y = Yes

9) Depth

- 2 = 200-299mm
- 3 = 300-399mm

10) Card Orientation

- V = Vertical

11) PSU Input

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

12) PSU Input

- A = 100-199 watt (w/3.3V)
- B = 200-299 watt (w/3.3V)
- C = 300-399 watt (w/3.3V)
- D = 400-499 watt (w/3.3V)
- E = 500-599 watt (w/3.3V)
- F = 600-699 watt (w/3.3V)
- 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)
- O = 1500-1599 watt (w/3.3V)
- X = Not Installed

13) Shielding Level

- 0 = Level 0

Backplanes can be configured with other slot profiles. Contact Elma to discuss your slot profile configuration requirements

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