

CompacFrame, Type 39PS

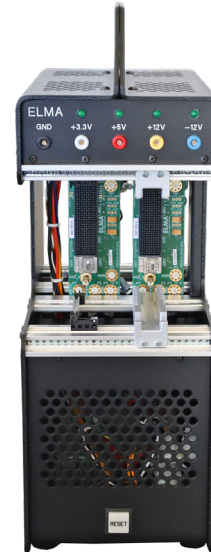
SHORT VPX PAYLOAD TEST AND DEVELOPMENT PLATFORM

DESCRIPTION

Elma's Short VPX CompacFrame platform is designed to accelerate development and test of boards designed to fit a smaller form factor of 3U boards (3U x 100mm deep). The 3U card cage in the platform is tilted upwards by 5° for easier card access and accommodates backplanes up to 4 slots.

Features

- Short VPX front card cage 3U high x 100mm deep
- Accommodates up to 4-slot OpenVPX or 2-VPX power & ground only backplanes
- Can combine card guides for air-cooled (VITA 48.1) and conduction-cooled (VITA 48.2) boards
- 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 System Manager (ChMC)
- Dual 60mm, 42CFM fans and accommodates air-cooled and conduction-cooled plug-in cards
- 3U rear RTM slots available with fan cooling



Front view



Angled view

APPLICATIONS

The CompacFrame family of development platforms facilitate new card and system design implementations and testing aligned to SOSA and VITA architectures.

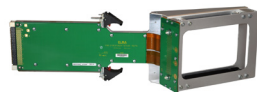
- › Sensor payloads
- › Electronic warfare (EW)
- › C5ISR
- › Target tracking and display
- › Navigation systems
- › Threat detection
- › Image and data processing



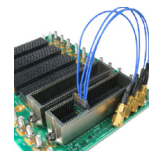
RELATED PRODUCTS



- › Load boards and extender boards
- › Rear Transition Modules
- › Backplane interconnect cabling



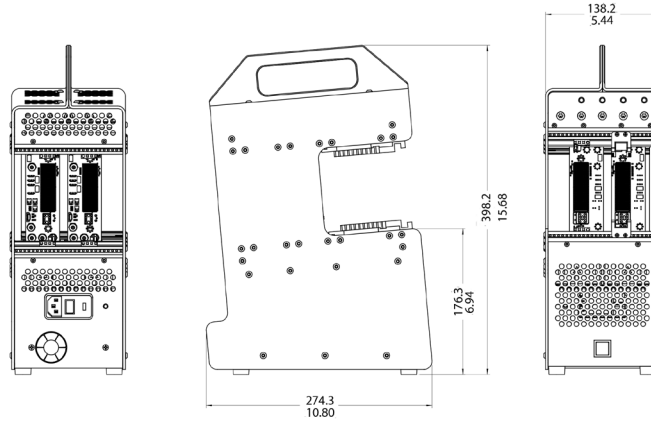
- › Pluggable power supplies
- › Complete line of payload boards
- › Application ready integrated systems



- › VITA 46.11 System 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, Short VPX (3U x 100mm deep), up to 4 slots	Type 39PS

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

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