

VITA 48.8 AIR FLOW THROUGH COOLING PLATFORM

CompacFrame, Type39A



ELMA
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DESCRIPTION

Elma's all-new CompacFrame platform accelerates development and test of 3U plug-in-cards (PICs) designed according to VITA 48.8, Air Flow Through Cooling standard. The 3U card cage in the platform is tilted upwards by 5° for easier card access. The CompacFrame accepts up to five 1-slot VPX power & ground backplanes for modules 1", 1.2" or 1.5" pitch.



Functional Features

- Accommodates up to five 1-slot VPX power & ground only backplanes
- 1400W 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 monitoring LED's and test points
- Front panel reset and power switches
- Rear accessible VITA 46.11 compliant Shelf Manager
- Battery for VBAT connection
- Optional plug-in VITA 46.11 compliant Shelf Manager (ChMC)
- Accommodates 3U modules according to VITA 48.8
- 3U Rear RTM Slots available

APPLICATIONS

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

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

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

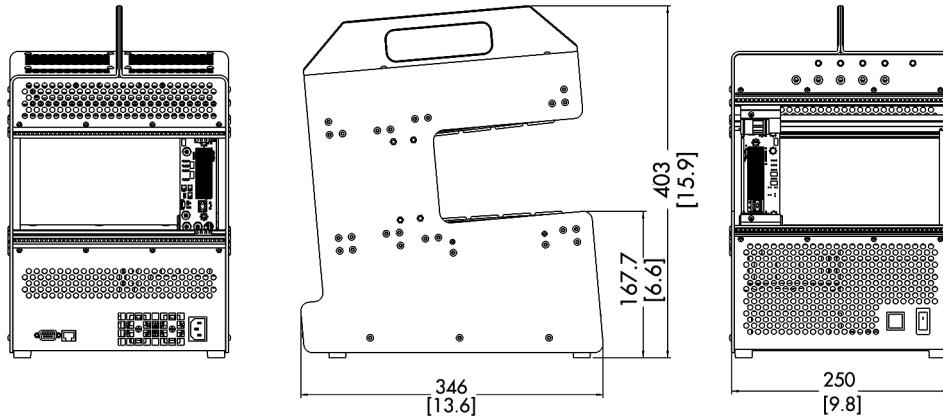


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LINE DRAWING



ELECTRICAL SPECIFICATIONS

AC Input

Input Voltage 115 - 240 VAC

Input Current 10.0A - 15.0A max.

Input Frequency 47 - 63 Hz

OUTPUT SPECIFICATIONS

Voltage +5V+12V+3.3V-12V

Max Load 36.0A 116.0A 31.0A 0.5A

Min Load 1.0A 2.0A 1.0A 0.0A

Peak Load -----

Regulation +5%+5%+5%+5%

Ripple & Noise 50mV 120mV 50mV 120mV

*Power module total output power of +5V and 3.3V not exceed 210W

*Power module total output power not exceed 1400W for 180~264V

*Power module total output power not exceed 1200W for 103~132V

*Power good signal: ON delay 100ms to 500ms, OFF delay 1ms, HOLD UP time: 17ms minimum at full

*Load & nominal input voltage

ORDER INFORMATION

Height	Description	Model Number
3U	CompacFrame, up to 5 slots, with Air Flow Through (AFT) cooling	Type 39A

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