

VITA 48.8 AIR FLOW THROUGH COOLING PLATFORM

CompacFrame, Type39A



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

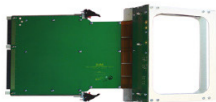


APPLICATIONS

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



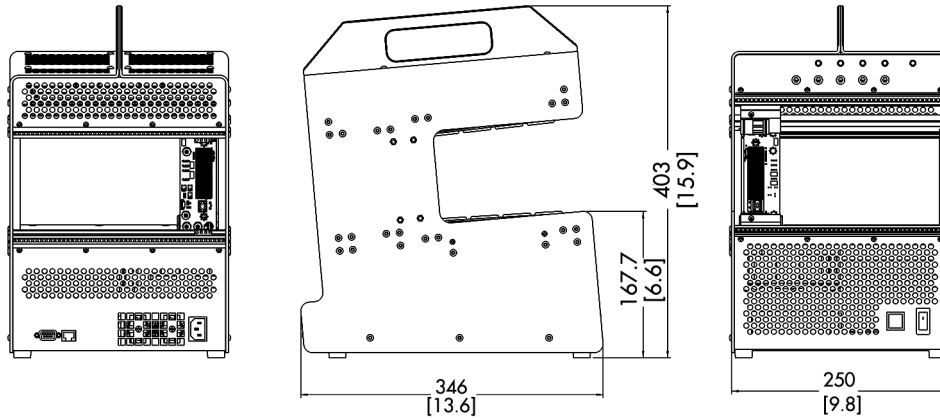
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LINE DRAWING



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	36.0A116.0A31.0A0.5A
Min Load	1.0A2.0A1.0A0.0A
Peak Load	-----
Regulation	+5%+5%+5%+5%
Ripple & Noise	50mV120mV50mV120mV
*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

HeightDescription	Model Number
3UCompacFrame, up to 5 slots, with Air Flow Through (AFT) cooling	Type 39A

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