

## 3U OPENVPX ALIGNED TO SOSA

CompacFrame, Type39S

### DESCRIPTION

Elma's all-new CompacFrame is the next generation portable test platform designed to accelerate development and test of plug-in cards (PICs) aligned to the SOSA Technical Standard. Available with either a 6 or 8-slot backplane. The 3U card cage in the platform is tilted upwards by 5° for easier card access.

### Functional Features

- Accommodates Elma 6 & 8-slot backplanes aligned to SOSA or any OpenVPX backplane up to 8-slots
- Includes SMA connector for PNT (Timing) card
- Maintenance ports routed to connector on rear of backplane, brought out via breakout cable for board diagnostics
- Integrated carry handle
- 5° upwards tilt to card cage
- 1400W ATX style PSU
- 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
- Accommodates air cooled and conduction cooled payload boards
- 3U Rear RTM Slots available



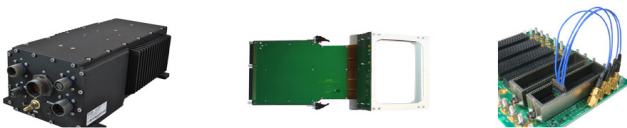
8-slot backplane shown

### APPLICATIONS

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

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

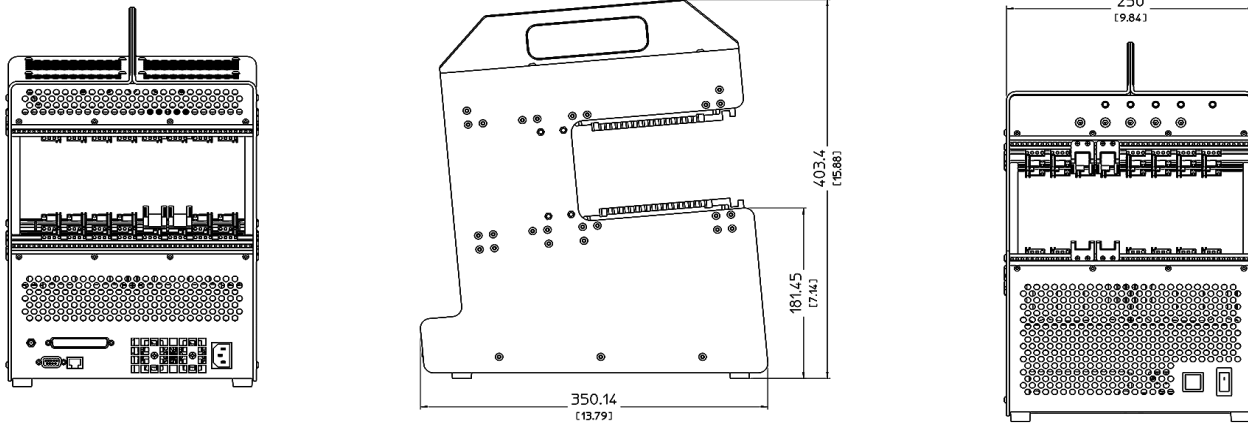
### RELATED PRODUCTS



- › Load boards and extender boards
- › Backplane interconnect cabling
- › Pluggable power supplies
- › Complete line of plug-in cards (PICs)
- › Application ready integrated systems
- › VITA 46.11 Shelf Manager

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**LINE DRAWING****ELECTRICAL SPECIFICATIONS****AC Input**

<b>Input Voltage</b>	115 - 240 VAC
<b>Input Current</b>	10.0A - 15.0A max.
<b>Input Frequency</b>	47 - 63 Hz

**OUTPUT SPECIFICATIONS**

	+5V	+12V	+3.3V	-12V
<b>Max Load</b>	36.0A	116.0A	31.0A	0.5A
<b>Min Load</b>	1.0A	2.0A	1.0A	0.0A
<b>Peak Load</b>	---	---	---	---
<b>Regulation</b>	±5%	±5%	±5%	±5%
<b>Ripple &amp; Noise</b>	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 &amp; nominal input voltage

**ORDER INFORMATION**

Height	Description	Model Number
3U	CompacFrame, up to 6/8 slots for SOSA applications	Type 39S

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

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**Please contact our sales team for more details.**

United States: +1 510 656 3400

Germany: +49 7231 97 34 0

Singapore: +65 6479 8552

United Kingdom: +44 1234 838 822

France: +33 388 56 72 50

Israel: +972 3 930 50 25

Switzerland: +41 44 933 41 11