

AdvancedTCA 14-Slot, 16U Chassis

40 GigE and 500W/slot cooling



Description

Elma's latest AdvancedTCA chassis platform handles even the toughest cooling challenges by providing up to 500 watts per slot cooling (see simulation report). The riveted construction makes the chassis strong yet easy to manufacture in volumes, thereby controlling costs. Designed to meet NEBS and EMC compliance requirements.

The chassis ships with a 14-slot, dual star 40GigE backplane.

Features

- Holds up to 14 AdvancedTCA blades
- 500W per slot cooling capability
- Dual plug-in shelf manager
- -48 VDC input
- Power Interface Board (PIB) to minimize wiring
- Removable cable management bracket
- NEBS compliant air filter
- Front and rear ESD jacks
- Meets NEBS shock and vibration requirements

Ordering Information



Description	Order Number
<ul style="list-style-type: none"> • 16U H x 19" W x 427mm D • Holds 14, 8U x 280mm blades • Holds 14, 8U x 80mm cards, rear I/O • Pull cooling with three fan trays • 14-slot, dual star 40GigE backplane • Dual plug-in shelf manager • Power interface board (PIB) to minimize wiring • Quad DC 100A PEM with integrated circuit breaker and I2C sensor 	<p>11A14FGBF8Y4VNXX</p>

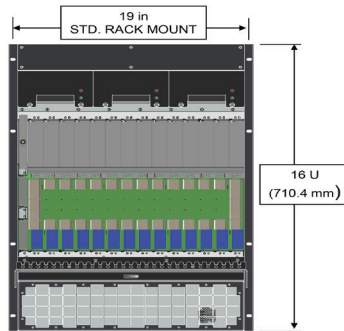
ATCA

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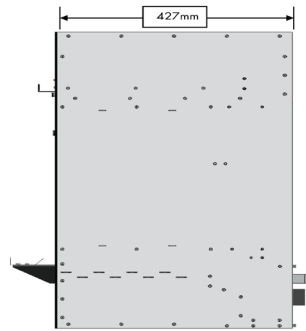
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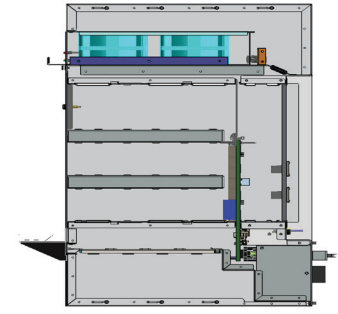
Line Drawings



Front View



Right Side View



**Right SideView
Right Side Panel Removed**

Environmental

Operating		Storage / Transit
Temperature	0°C to +50°C	-20°C to +70°C
Altitude	6000 ft (1829m)	50,000 ft (15240m)
Humidity	5% to 95% Non condensing	5% to 95% Non condensing
Shock/Vibration/Earthquake	Designed to meet NEBS generic requirements GR 63-CORE. Earthquake risk zone 4	
Agencies	Designed to meet UL 1950, FCC Class A or B, CE	

For a complete list of international sales contacts, please visit our [Global Contacts](#) page or email us at sales@elma.com.

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