

TYPE 32 MicroTCA 4U PORTABLE TOWER



FEATURES

- 370mm H x 279mm W x 308 mm D
- Ideal for prototyping and demonstrations
- Modular extrusion-based solution
- Accepts various module configurations
- Allows both single and double modules in same chassis
- Pluggable fan tray with removable air filter
- Convenient handle makes it ideal for portability
- Assembled and wired
- Optional locking bars to secure modules in chassis
- Optimized via thermal simulation studies
- Customized versions available

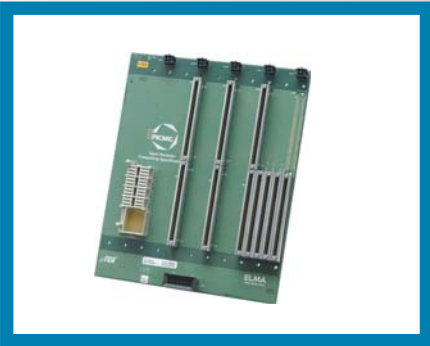
The first of its kind in the industry, the Type 32M MicroTCA Portable Tower features a carrying handle for easy portability. The Type 32M MicroTCA is ideal as a development chassis. Utilizing Elma's modular extrusion-based design, the chassis facilitates a wide range of configurations. It accepts up to 6 single/full size AdvancedMC's or up to 3 double modules, 1 MicroTCA carrier hub (MCH) with 1-4 tongue edge connectors and 1 power module. The divider plates can be configured to allow either single or double modules in each slot, offering a wide range of configurations.

The Type 32M features advanced EMC shielding, scratch-resistant vinyl clad aluminum covers, and power components. Cooling is achieved with 2 x 90 CFM fans. Elma has performed thermal simulations to ensure the optimal performance.

MicroTCA defines a modular backplane architecture designed to support redundant "pods" of AdvancedMC modules. The AdvancedMC modules (AMC0.1/.2/.3) are front removable mezzanine modules first designed to be used on AdvancedTCA cards. The MicroTCA architecture allows large arrays of AdvancedMC modules to be used in a wide array of applications where a lower cost solution is required than could be achieved by the standard AdvancedTCA architecture. The MicroTCA backplane allows single or redundant virtual carriers to provide power management, platform management and fabric connections to greater numbers of modules than a single physical carrier card could support in a classic ATCA application.

MicroTCA CUBE BACKPLANE

- According to PICMG MicroTCA.0 Rev. 1.0
- Compression style connectors easily replaceable
- Star cube backplane
 - 6 AdvancedMCs, 1 MCH, 1 power module (all full size)
- 12-layer board
- Direct connections for storage protocols
- Pluggable connector for fan tray



TYPE 32, MicroTCA 4U PORTABLE TOWER

Line Drawings

Coming Soon!

Environmental Specifications

	Operating	Storage/Transit
Temperature:	0°C to +50°C	-20°C to +70°C
Altitude:	6000 ft. (1,829m)	50,000 ft. (15,240m)
Humidity:	5% to 95% Non condensing	5% to 95% Non condensing
Shock:	10 G's @ 11ms	15 G's @ 11ms (per ASTM 0775)
Vibration:	1.0 G's @ 10 to 330 Hz	1.2 G's @ 5 to 330 Hz
Agencies:	Designed to meet UL 1950, FCC, A, B, CE	

Order Information

Description	Model Number
Type 32M, MicroTCA 63HP portable chassis	32M06Z6K732VH3XXP
<ul style="list-style-type: none">• 4U H x 63HP W x 290mm D• Holds 8 modules in single module, full-size• Star backplane: 6 AMC, 1 x MCH, 1 x PSU• Pluggable fan tray with removable air filter in push cooling configuration• Convenient tower handle makes it ideal for portability• Accepts 1 x 48VDC input single/full-size power modules (not included)• Accepts 1 x single/full-size MCH's (not included)• Assembled and wired	
Star Cube Backplane	69-10DL-6-2-2
<ul style="list-style-type: none">• Complies to PICMG MicroTCA.0 Rev. 1.0• 165.64mm W x 198.5mm H• Compression style connector• Connector for cooling units• Slot-to-slot aggregate bandwidth of 5,000 Mbytes/sec• Star backplane topology: 6 AMC, 1 x MCH, 1 x power module• 12-layer board	

TYPE 32, MicroTCA 4U PORTABLE TOWER - Custom Configurations

32M _____ **4** _____ **3** _____
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1,2) Num. of AMC Slots

- Examp.: 01 = 1, 10 = 10

3) Module Width

- S = Single Module
- D = Double Module
- Z = Combination
- X = Not installed

4) Module Height (Pitch)

- 3 = Compact (3 HP)
- 4 = Mid-size (4 HP)
- 6 = Full-size (6 HP)
- Z = Combination

5) Fabric Topology

- H = Mesh
- J = Redundant Mesh
- K = Single Star
- L = Dual Star
- N = Non Redundant
- X = Not installed
- Z = Custom

6) Height

- 4 = 4U

7) Width

- 8 = 84T
- 6 = 63T

8) Depth

- 3 = 300mm-399mm

9) Card Orientation

- V = Vertical (Default STD)
- H = Horizontal or custom

10) PSU Input

- C = 90-230VAC (Fixed)
- H = 48VDC plug in
- M = Dual 48VDC plug in
- P = 90-230VAC(2 x HS, N+1)
- X = No PSU
- Y = 24 V Plug in
- Z = Dual 24V plug in

11) PSU Output

(Note: Not all PSU combinations available)

- 2 = 200-299 watt
- 3 = 300-399 watt
- 4 = 400-499 watt
- 5 = 500-599 watt
- X = Not installed

12) MCH

- S = 1 x Plug in
- D = 2 x Plug in
- X = Not installed

13) JSM

- Y = Installed
- X = Not installed

13) Cooling

- P = Push cooling
- R = Redundant Push-Pull
- X = Not installed

* Note 1: 1x MCH supports 12 AMC slots

** Note 2: All slot counts are based on total number of available AMC slots (single, double or single stacked).