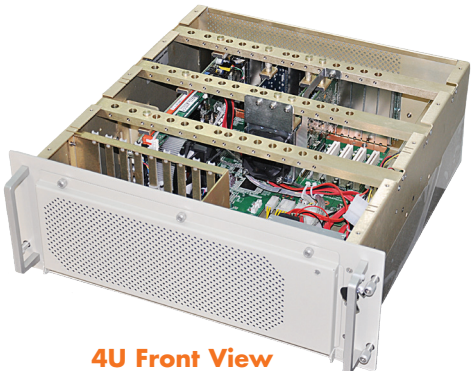
ELMA Embedded Computing

2U and 4U Ruggedized Servers
Industrial PC Systems

ELMA Your Solution Partner



4U Front View

Description

Elma's rugged industrial rack-mount PC platforms offer a ready foundation to configure your high speed computing solution in a chassis built for tough environments. Supporting several motherboard-based form factors, systems can be configured to address a range of uses in defense, industrial, and communications applications in benign to harsh environments. Choose from a wide range of board options available from Elma including motherboards, network switches and routers, multi-terabyte storage and application-specific I/O modules on embedded form factors. Its light-weight construction and smaller footprint size makes the system ideal for use in SWaP-constrained applications.

Open door view

Features

- Light weight construction 26lbs (12kg) is lighter than comparable industrial PCs, payload dependent
- Smaller chassis footprint - 16.5"W x 19.5" (420mm x 500mm) allows increased airflow around the outside of the chassis
- Available in 2U and 4U heights
- Supports mobile, desktop and server class motherboards
- EATX, ATX motherboards (PICMG 1.3) or up to 14-slot backplanes
- Options for AC or DC power
- Aluminum chassis
- Up to 3 cross bar support rails
- Customized front panel (Slim DVD, removable SSD drawer)
- Internal dual 2.5" SSD trays

2U Front View

Benefits

- Enhanced shock and vibration capable with triple cross bar construction
- Enhanced resistance to humidity via conformal coating and aluminum construction
- Custom configurations allow tailored systems including SBC, I/O and Storage
- Backed by Elma's advanced packaging experience

Ordering Information

Elma's rugged industrial PCs are available with a host of configuration options in order to build a system that meets your specific requirements.

Options include:

1. B/P or motherboard based configurations (PICMG 1.3 / motherboard)
2. CPU type + memory – choose from multiple CPU options from the Intel Embedded Roadmap
3. Slot count
4. Expansion boards to meet a wide range of I/O requirements
5. Storage capacity and type
6. Conformal coating
7. AC or DC power supply with a wide range of output options