

**Cabinets**

**19" Communication  
Racks**

**Tactical Workstations**



## **Mobile Infrastructure Solutions**

**Law Enforcement / Fire / Emergency Services  
Homeland Security  
Disaster Management  
Communications Control Center  
Broadcasting/Events  
Mobile Laboratories / Test Equipment  
Battlefield Command & Control**

**Optima EPS**

**Cabinets & Enclosures**  
An ELMA Company

# Optima EPS

Optima EPS is a designer and manufacturer of custom and standard electronic packaging systems. The company provides everything from server racks, cabinets and security consoles up to complete enclosure systems. The company offers a fast, flexible response to customer needs and extensive practical knowledge in tailoring solutions to specific applications.



Elma Electronic is a leading manufacturer and supplier of enclosures, backplanes, cabinets, cases, and “ready-to-run” packaging for CPCI, Rugged COTS, VME/64x, VXI, ATCA and custom bus structures. Elma’s component product line offers a wide selection of top quality switches knobs and LED arrays. The company has been a worldwide supplier of dependable, high performance products for over 40 years. Elma operates four facilities in the continental United States plus has locations in Switzerland, Germany, France, the United Kingdom, China, Romania and Israel.

**Flexibility** Optima tailors solutions to individual applications to ensure fast and cost-effective results.

**Experience** Extensive practical experience in packaging electronic systems is used to minimise the time taken to develop new customised solutions without compromising system performance or reliability.

**Compatibility** Because we design and manufacture everything in-house, Optima guarantees compatibility, consistency and reliability.

**Global resources** With manufacturing in the USA and Europe customers benefit from local service backed by global resources.

## APPLICATION

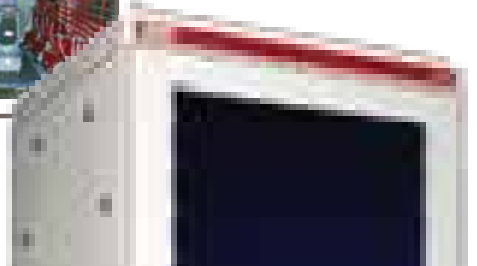
- **Law Enforcement/Fire/Emergency Services**
- **Homeland Security**
- **Disaster Management**
- **Communications Control Center**
- **Broadcasting/Events**
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- **Battlefield Command & Control**



Optima Mobile Infrastructure solutions include full command centers down to cabinets geared for mobile applications. The command centers are based on the latest human engineering concepts and ergonomic designs to ensure optimum “usability”. Based on standard modules, the range can easily be modified to suit most applications and ensures optimum access to critical information in your command and control environment. Optima’s full range of cabinet enclosures can be ruggedized for mobile applications. This provides a wide range of highly ruggedized, Mil-Spec, seismic, datacom, or cost-effective standard platforms to choose from.

## BENEFITS

- Meets Seismic Zone 4 per GR-63-Core
- Customized engineering review based on customer specific load requirements
- EMC and NEMA rated versions (optional)
- Modular design reduces installation, upgrade and service time.
- Wide range of industry standard sizes, cabling, cooling and power options



Optima's rugged design construction ensures a tough and reliable environment for your mobile command application. Our command center/consoles and rugged racks are designed for harsh environments and meet MIL-STD810F, 901D and 461D. Customized enclosures are our specialty, and you'll benefit from our superior service whether its one unit or one thousand.

Our experienced team can incorporate an ergonomic and "human-friendly" design along with the rugged framework. With a thicker metal support structure, reinforced welding and corner members, Optima has a rugged mobile solution for you.

## 19" COMMUNICATION RACKS

### Products

- M Series - Seismic Qualified
- MC Series - MIL -STD 810 Deployed Transportation
- Mil-Spec - Full MIL Qualified
- Custom - Designed to meet specifications

### Features

- Heavy duty single or double wall extrusions
- Independent / removable side, top, bottom panels and doors
- Optional castors, fixed floor or shock isolation mounts (ceiling or wall mounting optional)
- 4 x crane lifting eyes rated to 1,000lbs each
- Internal reinforcing corner keys



## TACTICAL WORK STATION

### Products

- M Series - Command Console
- MC Series - Electronic Desk Systems

### Features

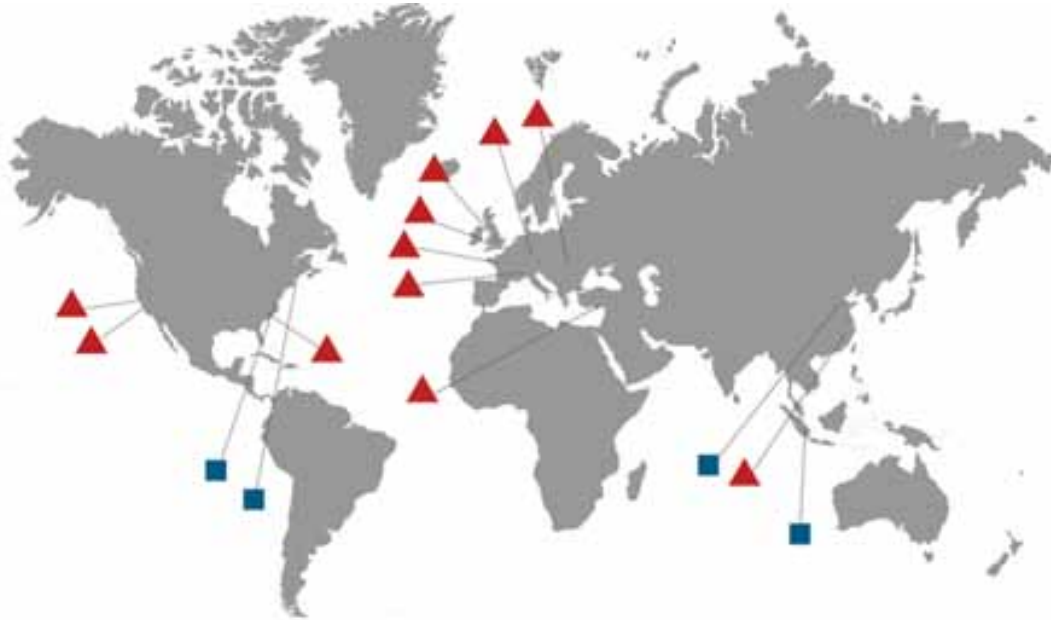
- 3 standard sizes: 28", 50" and 72" widths (28" h x 32" d).
- Choice of Storage Bay or Electronic Bay.
- Ergonomically designed laminate writing desk provides a comfortable work surface and maximum leg area.
- Slat wall or mounting arms for monitor or desktop equipment
- Castors, levelers or floor mount options



## TECHNOLOGIES

- **Shock / Vibration:** Mil-Std 810, 167, 901
- **EMC:** Mil-Std 461, FCC Class A, B
- **Cable and Power Management**
- **Integrated Cooling**
- **Strength to Weight Ratio**
- **Vibration Resistant Hardware**
- **NEBS**





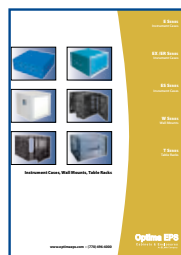
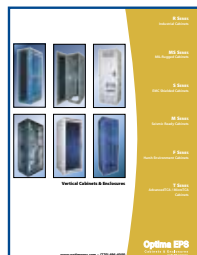
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- ▲ Elma Production/Assembly/Sales

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Other Products Available



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