

# MCPS

## Modular Command Post Systems



The MCPS provides a mechanical, electrical, video, and communication framework for mobile, modular, and extensible command missions. The design flexibility and building block architecture accommodates various sizes and types of command applications.

### Applications

Portability, flexibility, and robustness satisfies the needs of various organizations:

- Active Duty military
- Border Patrol and US Customs command centers
- National Guard
- Homeland Defense
- Federal Emergency Management Agency

Supports a wide variety of operations:

- Command and Control
- Aircraft Control
- Security Monitoring for Large Events
- Emergency and Disaster Response Management

Modular Command Post Systems are lightweight, mobile units that meet a wide range of military and civilian applications.

MCPSs are easily packed, transported, and assembled without tools to increase readiness and ease of setup.

The largest MCPS product can be assembled by two trained personnel in less than an hour.

A standard system comprises truss framework, tables, chairs, screens, and projectors.

The framework is composed of 2-inch aircraft aluminum trusses that lock together without tools to create mounting fixtures for horizontal and vertical work surfaces, video display panels, video projectors, lighting, speakers, weapon storage, and other equipment.

The tables are self-contained, powered, and networked units that significantly reduce cabling time, cable mess, and cable failures. All tables contain multiple LAN ports and power sources safely housed under a weather-resistant working surface.



Inside of a tent

The chairs, screens, and projectors come standard, so the package is immediately deployable upon arrival. Computer, LCD displays, interactive white boards, and video extender packages further expand the capabilities of a single MCPS.



Inside an existing structure - the Army's 101st Airborne Division utilizing the MCPS in Iraq

# Modular Command Post Systems (MCPS)

## Building Blocks

MCPS can be combined with tents, existing structures, and other MCPS units using a building block architecture. Structures can be replicated and/or interconnected to meet a wide variety of unit applications, from a small staff to a large command. Additional structures or capabilities can be added without affecting the performance or effectiveness of the core unit.

## Tables

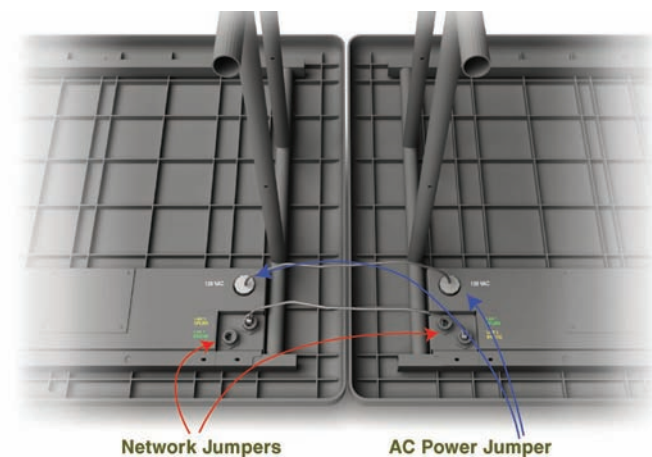
SmartTables are the building blocks of a single MCPS' scalable architecture. SmartTable technology integrates built-in cable and network components within modern, lightweight materials. The tables can be joined in various configurations and interconnected with other tables in other MCPSs. Power and multiple networks are standard with each table. Power distribution can connect directly to mobile power



equipment or be isolated by Uninterruptible Power Systems (UPS). Internal table components support 120V or 230V. The infrastructure accommodates user-supplied laptops or desktops.

SmartTable 2LP is a folding polypropylene and steel table that includes two separate networks and a power infrastructure.

SmartTable 3LA is an aluminum table with folding legs that includes three separate networks and a power infrastructure.



MCPS provides off-the-shelf and custom solutions that can be purchased from the GSA

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## Transit Cases



MCPS transit cases are custom-designed to safely contain components for transporting. Each case is a steel-reinforced laminate material that protects components from direct environmental pressures. High density foam lines the interior

to cushion the encased items. The cases are engineered to provide peak performance in hostile environments while simplifying packing.

## Hardware Extension Packages

The Video Extender Suite extends the VGA signal from the video source with CAT-5 cables. The Video box is a 3U rack-mounted unit that distributes video data to satellite boxes. These satellite boxes serve as locations for users to connect into the video infrastructure.

- Lightweight
- Portable
- Easily Packed
- Extensible
- Flexible

Quad video processors, projection kits, and communications systems are packaged and tailored for each application and integrated with the built-in cable plant.

## Software Packages

Raytheon Solipsys also offers a unique suite of software products offering solutions in the areas of sensor automation, information synthesis, networking and communications, and visualization. Our software components, Tactical Component Network (TCN), Multi Source Correlator Tracker (MSCT) and Tactical Display Framework (TDF), meet the demands of a wide range of civilian and military applications, such as test and evaluation, battle management, command and control, and ship combat systems.

## Custom or Standard Configurations

Five standard configurations of MCPS, two SmartTable options, add-in hardware options, as well as installation services are available on the GSA Schedule.

Custom configurations can be designed to meet customer requirements.

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*Customer Success Is Our Mission*