



PacStar 400-Series Mini-Transit Case Systems

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SOLUTIONS

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PacStar offers a range of compact case systems for the PacStar 400-series modules, transforming individual network modules into complete modular communications solutions. The PacStar 400-series modules combined with PacStar Compact Case Systems span a wide range of applications, from small team deployments to larger scale command posts.



For teams with requirements to transport PacStar 400-series solutions in scalable, dense, quick setup form factors – with high resistance to environmental damage, PacStar provides systems based on a compact lightweight, custom designed carbon-fiber, rack-mount style Mini-Transit Case. Using a modular, self-contained rack-mount Smart Chassis system, PacStar 400-series modules can be operated in the Mini-Transit Case, removed in groups of enclaves and operated independently, operated as individual modules, and even mounted in fixed equipment racks.

This modular, scalable packaging infrastructure provides flexible options for both small and larger deployments where integrated mechanical and power infrastructure is desired for the PacStar 400-series modules, enabling the solution to adjust and grow as user needs change. Other PacStar Compact Case Systems are available, including:

- Smart Chassis providing housing and power for four or five modules
- Desktop Chassis providing housing and power for three modules
- Pelican case systems for small team deployments
- Rack mount systems for vehicle, tent and fixed-location installations

PacStar Mini-Transit Case Packaging

The Mini-Transit Case, with a payload of up to nine modules, provides a transportable infrastructure for housing and operating PacStar 400-series Smart Chassis and modules.

- Custom designed carbon fiber transit case with wheels and handle (9" x 21" x 14")
- Meets FAA maximum carry-on bag size restrictions
- Holds multiple Smart Chassis with a maximum (9) module payload - e.g. (1) 4-slot and (1) 5-slot Smart Chassis
- Removable lids for operation of equipment in the transit case
- Smart Chassis are user removable and capable of operating outside the transit case; enabling physical separation as required for classified enclaves
- KG-250X mounting points on top of Mini-Transit Case

PacStar Smart Chassis

Smart Chassis provide a mechanical and electrical standalone capability to house up to four or five PacStar modules; and may be utilized as stand-alone entities or as components in a larger system.



4-slot and 5-slot Smart Chassis

- Supports (4) or (5) PacStar 400-series modules
 - 4-slot Smart Chassis (7.5" x 6.8" x 12")
 - 5-slot Smart Chassis (9.3" x 6.8" x 12")
- Every PacStar 400-series module fit into any slot
- Provides users the ability to easily remove or change modules - just mix and match as your mission requires

- Provides power to installed modules
- Includes an integrated power system
 - World-wide AC input, 47 - 63 Hz, 85 V - 264 V
 - Wide range DC input, 10 - 36 V DC
- Includes an integrated UPS based on the DoD standard 2590 Li-Ion rechargeable battery
 - 200 watt-hours rated
 - Automatically switches to battery if prime power is interrupted
 - User accessible battery compartment
 - LED indicators for battery status
- Includes a clean power 12 V DC output port (50 watts) for ancillary equipment
- Includes an integrated cooling system
- Man-portable for standalone operation

Rack Mount Frame

The Mini-Transit Case system includes an internal 4U 19" Rack Mount Frame (RMF) which can be easily removed and mounted in standard equipment racks

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Additional PacStar Compact Case Systems

PacStar Pelican™ Case Systems

PacStar Pelican Case systems provide rapid deployment options for PacStar 400-series modules in the smallest possible footprint. Utilizing the PacStar 400-series snap-together feature, modules are removed from the case and constructed into an operating system.



PacStar offers a range family of laser cut foam Pelican case systems holding three to six modules, with the following options:

- Pockets for radio batteries, cables and AC power bricks
- Multi-use pockets fit PacStar 400-series modules and KG-250X encryptors

PacStar Desktop Chassis

The Desktop Chassis provides a transportable infrastructure for housing and operating up to three PacStar 400-series modules.



- Custom designed sheet metal chassis with handles (8.48" x 7.69" x 8.29")
- Easily fits into a variety of cases that meet FAA maximum carry-on size restrictions
- Holds up to three PacStar 400-Series modules of any type
- Includes integrated 100W AC power supply suitable to run 1 or 2 PacStar 451 moduls, along with any other PacStar 400-Series module
- Includes wide-range DC input 10-36 VDC
- Includes 2x PRC-152/148 battery connectors for operation off p ime power

Rack Mount Systems

PacStar offers multiple 19" rack mount options for vehicle mount, tent and fi ed-location installations. These systems enable the PacStar 400-series modules to quickly transition from a deployable configuration to a more permanent installation, and back again.



Options include:

- 4U 19" RMF, supporting up to (9) PacStar 400-series modules, in Smart Chassis
- 1U 19" rack mount shelves, supporting up to (3) modules
- (4) and (5) module vertical mount Smart Chassis

Custom Options

Based on customer requirements, PacStar will develop custom packaging, mounting and transport systems. Contact your PacStar Account Manager to discuss requirements.

These products may be covered by one or more of the following US patents: #8,654,749, #7,817,589, #8,270,325, #9,160,619, #9,225,102. Additional patent(s) pending. See www.pacstar.com/patents for details.

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