



PacStar Smart Chassis

Supports 4 or 5 PacStar 400-Series Modules

Key Features

- Supports integration of (4) or (5) PacStar 400-Series modules
 - 4-slot chassis: 7.5 in x 6.8 in x 12 in
 - 5-slot chassis: 9.3 in x 6.8 in x 12 in
- Toolless, quick-release features
 - Easily remove modules from chassis, or chassis from rack / case in field
- Robust power for modules and more
 - Up to ~350 W (5-slot) or ~300 W (4-slot) power available in MK3-series Smart Chassis
 - Up to ~250 W (5-slot) or ~180 / 250 W (4-slot) power in legacy Smart Chassis
 - Regulated clean ~50W auxiliary power output @ 12V DC for ancillary devices
 - Wide filtered DC input: 11.8-35 VDC
 - Wide AC input: 90-264 VAC, 47-63 Hz
- Integrated UPS power backup option
 - BB2590/U Li-ION (294 Wh-rated) battery in MK3-series Smart Chassis
 - DOD standard 2590 (200 Wh-rated) or NiMH BB-390B/U (117 Wh-rated) battery in legacy Smart Chassis
 - Automatically recharges battery when connected to external power
 - Automatically switches to battery if primary power is interrupted
 - User-accessible battery compartment
 - LED indicators for battery status
- Rugged DC power input connector:
 - MIL-DTL-26482 Series II (in MK3 series Smart Chassis)
 - MIL-DTL-38999 Series III (in legacy Smart Chassis)

PacStar Smart Chassis transforms individual network and compute modules into complete modular communications solutions to enable military, government, and commercial expeditionary teams to deploy the latest technology wherever missions take them.

This modular, scalable packaging solution provides flexible options for both small and larger deployments that need integrated mechanical and power infrastructure. PacStar 400-Series tactical router, switch, compute and communications modules can be mixed and match inside a PacStar Smart Chassis, removed in groups of enclaves and operated independently. With tool-less, quick-release features, PacStar Smart Chassis can be quickly removed for dismounted operation to support evolving mission requirements.

PacStar Smart Chassis provides mechanical and electrical capabilities to house up to five PacStar 400-Series modules and deliver UPS-backed power with integrated high-capacity battery to provide continuous operation, even in environments where stable power is not guaranteed. Beyond powering modules, PacStar Smart Chassis also offers auxiliary DC output for mission-critical KG-250X/XS HAIPE encryptors or other inline security appliances, reducing the need for additional power equipment in the field.

PacStar Smart Chassis is fully compatible with proven PacStar packaging solutions, including transit cases for rapid deployment, 19" rack-mount frames for fixed installations, SAVE frames for aircraft or vehicle mounting, and rugged Pelican® case-based kits for expeditionary operations. Its advanced cooling system supports sustained performance across wide temperature ranges (-20 to 60 °C), critical for deployments in deserts, arctic environments, or other extreme climates.

