



PacStar VPX Smart Chassis

Curtiss-Wright PacStar VPX Smart Chassis and MOSA Hybrid Solutions

Key Features

- Compatible with transport and mounting solutions for the PacStar 400-Series
- SAVE compatible frames hold two VPX Smart Chassis or mix and match with PacStar 400-Series Smart Chassis
- Add 3U VPX and SOSA hardware to existing PacStar 400-Series deployments
- Supports 5x 3U SOSA aligned VPX plug-in-cards
- Included 300 watts VITA 62 Power Supply Card in 6th slot
- External air over conduction cooling for maximum power density
 - Electronics cavity is sealed from dust and airflow
 - Redundant dual-fan design for reliability
- Operational temperature range -20 to +60C
- Small, but powerful 7.5" X 6.92" x 12"
- VPX chassis weighs only 19.1lbs (without cards)

PacStar VPX Smart Chassis provides the capability to deploy SOSA aligned systems today or a hybrid MOSA and SOSA system combining the VPX and CMOSS technologies with the powerful, rapidly modular PacStar 400-Series modular communications solutions.

Designed for in-theater operations, vehicle-mount, early entry or forward operating base deployments for military, Homeland Security, first responders, and commercial/enterprise users, PacStar VPX Smart Chassis meets size, weight, and power (SWaP) requirements unmatched by other COTS appliances.

The module integrates seamlessly with other PacStar 400-Series standard small form factor modules and patented interconnect, providing the best in small size, flexible power, and environmental ruggedness. PacStar also offers a wide array of system packaging options for PacStar 400-Series, including briefcase, transit case, rack mount, vehicle mount, and Standardized A-Kit / Vehicle Envelope (SAVE)

PacStar VPX Smart Chassis

- 3U VPX chassis enclosure that uses the same footprint as a PacStar 400-Series 4-Slot Smart Chassis.
- Fits and operates in existing PacStar 4-Slot Smart Chassis mounts and transportation cases.
- 6 slots (5 PIC + 1 PWR)
- Less than half SAVE size and power (300 watts)
- Actively cooled (air over conduction)
- Aligned with CMOSS and CMFF Reference Architectures

Slot Profiles

- Slot 0: Included 300 watt power supply
- Slot 1: 3U Radial Clock PICP (SLT3x-TIM-4S16S1U2U1H-14.9.1-1)
- Slot 2: I/O-Intensive SBC (SLT3-PAY-1F1F2U1TU1T1U1T-14.2.16)
- Slot 3: 3U Data / Control Plane Switch PICP (SLT3-SWH-6F1U7U-14.4.14)
- Slot 4: I/O-Intensive SBC (SLT3-PAY-1F1F2U1TU1T1U1T-14.2.16)
- Slot 5: 3U Payload PICP (SLT3-PAY-1F1U1S1S1U1U2F1H-14.6.11)

Modular Hybrid Solution

Offers customers the capability of deploying new or existing MOSA systems with an easy upgrade path to SOSA Technical Standard Alignment supporting CMOSS or CMFF Reference Architectures

Mix and match interoperability of current & future PacStar 400-Series family of network & communications modules with current & future 3U VPX based solutions

Accommodates full family of PacStar 400-Series modules and integrated solutions for tactical IT and deployed communications including LAN/WAN networking, CSfC Secure Wireless, PacStar Modular Data Center (MDC) 2.0, and other data storage/processing and 360 SA applications

Interchangeable with PacStar Smart Chassis and standardized mounting frames (19" rackmount, SAVE) to maximize solution modularity

Standardized Mounting Frames Support Modular Smart Payloads

19" Rackmount Frame



SAVE Frame



VPX Smart Chassis Payload



**PacStar 400-Series Smart
Chassis Payload**



Future Smart Payloads

PacStar VPX Smart Chassis

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