PacStar 351 Small Server Module

CISCO Technology

PacStar 351 Small Server Module provides a high performance virtualization platform for hosting multiple software applications in a compact, rugged form factor. The PacStar 351 meets size, weight, and power requirements unmatched by other rugged commercial appliances.

PacStar 351 is available with a wide variety of pre-loaded, pre-secured, and pre-qualified software applications appropriate for use in deployed, mobile or industrial communication applications. These include, but are not limited to:

- WAN acceleration
- Unified communications
- Video transcoding
- Other network functions such as routing, firewalls and more

The PacStar 351 is available in several configurations with 5th generation Intel Core i5 and Xeon processing platforms in both dual-core and quad-core variants suitable for a wide variety of enterprise server or client applications and operating systems.

Designed to provide enterprise-class functionality and security, in a form factor suitable for demanding industrial applications in fixed, transportable or mobile use cases, PacStar 351:

- Is extensively environmentally tested for reliable use in sheltered environments subject to extreme temperatures, vibration, and more
- Is engineered into a compact, rugged enclosure, optimal for transport or installations where space is at a premium
- Includes embedded advanced power conditioning, maximizing uptime even in poor quality power situations

PacStar 351 can be used standalone or in combination with other PacStar (and 3rd party) networking products to create complete network systems. PacStar 351 can be mounted in a wide variety of enclosures, transit cases, or vehicle equipment racks. PacStar can create custom mounting/transport solutions to meet your requirements.

PacStar 351 is based on technology designed for demanding defense requirements and widely deployed throughout the US military. PacStar started with equipment that has been extensively MIL-STD tested and fielded by tactical communications teams, and removed features rarely needed in commercial use cases – delivering the same DoD quality at a more affordable price point.

PacStar 351 is optionally managed by PacStar IQ-Core® Software, which simplifies system setup, network management and protects the system from mis-configuration, improving network uptime and reducing deployment costs..

KEY FEATURES

- A wide variety of appliance options available including Riverbed Virtual Steelhead WAN optimization, Haivision Kraken video transcoding, Cisco Unified Communications Manager, and additional capabilities currently under qualification testing
- Intel 5th generation Core i5 and Xeon processing platforms in dual-core variants
- (5) GigE ports, (2) of which are PoE enabled. Integrated smart power supply that runs on wide range DC input and worldwide AC input
- Compact design for flexible packing and transport
- Extensive environmental testing completed for shock, vibration, temperature and EMI, including fixed-wing and rotary aircraft
- Small, but powerful; only 4.9" x 7.1" x 1.7" and 2.7 lbs.

PACSTAR 451 SERVER PLATFORM
Processor
- Intel 5th generation (Broadwell) Core i5 dual core or Xeon E3 quad-core with up to 32 GB RAM

Storage
- User removable single 2.5" SSD (7 mm), up to 4 TB total

User I/O
- 5 Port: (5) GigE (2) with PoE, 12 W total, (1) full sized USB, (1) (1) Mini-Display Port, (1) Mini-USB, and (1) Serial Console (RJ45)

Power
- Wide range DC input (10 - 36 VDC)

Physical Specifications
- Wide range DC input, 10-36V
- World-wide AC power input (with adapter cable)
- Power draw: Nominal: Dual-core variant 25 watts total, quad-core variant 45 watts total

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