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TECHNOLOGY GROUP

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PacStar®
Imagined. Engineered. Delivered.™

PacStar 400-Series Modular Communications Solutions



PacStar 400-Series family of small form factor, rugged, modular communications solutions is designed to maximum capabilities and configuration flexibility, with the smallest SWaP possible. PacStar 400-Series includes routing, switching, advanced network services, application hosting, storage, and more – in lightweight packaging designed with a wide variety of power options.

PacStar 400-Series is designed to serve the tactical communication needs of teams that deploy worldwide and have secure communication requirements in austere environments - enabling teams from defense, Homeland Security, first responders and civilian organizations to easily and securely connect multiple devices to mission critical communications networks.

PacStar 400-Series is optionally managed by PacStar IQ-Core® Software, which simplifies system setup and network management and protects the system from mis-configuration by operators in the field.

KEY FEATURES

- Networking computing and communications technologies from leading providers
- Snap-together design enables quick expansion with other PacStar 400-Series products and quick reconfiguration of modules and chassis
- Extensively MIL-STD 810G environmentally tested for temperature, shock, vibration
- Integrated power supplies that run on tactical radio batteries, wide range DC input and worldwide AC input
- Continuous runtime with hot swappable batteries
- Regulated 12 V DC output supports powering KG-250X/XS or other accessories
- Best in class SWaP, typical module weight 2.5lbs.
- Typical module dimensions: 5.3″ x 7.1″ x 1.6″

Compact, quick setup, rugged form factor modules



PacStar 411 HAIPE Sled

- Adapts KG-250X or IPS-250X to PacStar 400-Series chassis
- Includes power and data pass through and physical locking features
- Provides Ethernet cabling from the rear of the encryptor to the front of the sled, enabling quick and convenient access for network cabling
- Small, but powerful; only 5.3″ x 7.0″ x 3.4″ and 4.4 lbs.



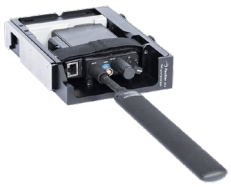
PacStar 412 HAIPE Sled

- Secures and provides connections for ViaSat KG-250XS (sold separately)
- Provides Ethernet cabling from the rear of the encryptor to the front of the sled, enabling quick and convenient access for network cabling
- Small, but powerful; only 5.67″ x 7.1″ x 1.7″ and 2 lbs.



PacStar 413 HSM Sled

- Secures and integrates BlackVault HSM into PacStar 400-Series solutions
- Integrated power connectors providing power from tactical radio batteries, or power input
- Small, but powerful; only 5.67″ x 10.12″ x 1.73″ and 3.6 lbs.



PacStar 414 Radio Sled

- Secures and provides connections for a wide variety of tactical / LMR radios such as traditional PTT LMR, MANET, SINCGARS, and new generation multi-channel radios
- Small, but powerful; only 5.67″ x 7.1″ x 1.7″ and 2.5 lbs.



PacStar 441 Small Router Module

- Based on Cisco ESR 5915 routing/ switching module with (5) ports
- Fanless design for quiet operation, higher reliability, and low power draw
- 4 PoE enabled ports (802.3af)
- Small, but powerful; only 5.3" x 7.1" x 1.6" and 2.4 lbs



PacStar 442 Small Switch Module

- Based on Cisco ESS 2020 routing/ switching module with 10 ports
- 4 PoE enabled ports (802.3af)
- Extended temperature range and fanless design improves reliability and uptime
- Small, but powerful; only 5.3" x 7.0" x 1.6" and 2.5 lbs.



PacStar 443 Large Switch Module

- Based on Cisco ESS 2020 switching module with 24 ports
- Up to 60 watts available PoE power on AC or DC input
- 10 ports POE 802.3at Type 2 (PoE) backward compatible with 803.3af
- Small, but powerful; only 5.3" x 7.0" x 3.4" and 4.4 lbs.



PacStar 444 Small GigE Switch Module

- Based on Cisco ESS 3300 switch with (2) 10 GigE SFP and (8) GigE RJ45 ports
- Provides high-density network access for critical voice, data and video connectivity
- Small, but powerful; only 5.3" x 7.0" x 1.6" and 2.5 lbs.



PacStar 446 Large GigE Switch Module

- Based on Cisco ESS 3300 with (2) 10 GigE SFP+ and (22) GigE RJ45 ports
- Provides high-density network access at Gigabit speeds for critical voice, data and video connectivity in a compact, rugged form-factor
- Small, but powerful; only 5.3" x 7.0" x 3.4" and 5 lbs.



PacStar 447 Small Router Module

- Based on Cisco ESR 6300 routing/switching module with (6) Gigabit Ethernet ports
- Extended temperature range and fanless design improves reliability and uptime
- Small, but powerful; only 5.3" x 7.1" x 1.6" and 2.4 lbs.



PacStar 451 Small Server Module

- Powerful, compact server module to host applications & virtual network functions at the edge
- Intel processor; available as dual-core i5 or quad-core i7, Xeon E3 and Xeon D
- Available with a wide variety of pre-loaded, pre-secured, and pre-qualified software applications appropriate for use in tactical communications applications
- Small, but powerful; only 5.3" x 7.1" x 1.7" and 2.7 lbs.



PacStar 453 NVIDIA GPU Enhanced Server Module

- Intel Xeon D processing platform with 12 cores, up to 128 GB RAM and 16 TB SSD storage
- NVIDIA GPU with 512 CUDA cores for edge AI / ML and video processing applications
- Small, but powerful; only 5.3" x 7.1" x 3.4" and 3.5 lbs.



PacStar 455 Hyper-Convergence Module

- Intel Xeon D (up to 128 GB RAM) processor for general-purpose or dedicated compute and storage tasks
- High network port density for flexible networking options including on-board NF
- Up to 64 TB RAID SSD storage via 8 x 2.5" SSD
- Small, but powerful; only 5.3" x 7.1" x 5.5" and 6.4 lbs.



PacStar 463 RoIP/Voice Module

- Based on proven technology from SCI TOCNET G4
- Extends and integrates remote LMR radio networks into IP based networks, enabling organizations to benefit from the best capabilities of each
- Small, but powerful; only 5.3" x 7.1" x 1.6" and 2.5 lbs.

PacStar products are covered by multiple patents. Additional patent(s) pending.
See www.pacstar.com/patents for details.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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