

# PacStar 400-Series Mobile Network Communications Kit (MNCK)

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Designed to support US Forces and Coalition Partners on CENTRIXS, BICES and US BICE networks, AT Communications offers the PacStar Mobile Network Communication Kit (MNCK) is a modular flyaway kit that is easily installed for both ship and land environments.

A modular solution, the MNCK maximizes capabilities while providing flexible configuration based on the mission. Providing the smallest SWaP possible, the MNCK includes routing, switching and advanced network services; Riverbed WAN acceleration; and support for Domain Controllers.

The MNCK system is composed and packaged in a lightweight case with a variety of power options, including world-wide AC and wide-band DC (10-35v).

To assist in proper field configuration for the US and Coalition partners the MNCK is managed by PacStar IC Core Software to simplify system setup and network management.

### Key Features

- ✓ Based on Cisco ESR 5915, ES 2020 and switching and networking technologies from leading providers
- ✓ Integrated power supplies that run on tactical radio batteries, wide range DC input and worldwide AC input

- ✓ Snap-together design enables quick expansion with other PacStar 400-series products and quick reconfiguration
- ✓ Continuous runtime with hot swappable batteries
- ✓ Regulated 12 V DC output supports powering KG-250X or other accessories
- ✓ Extensively MIL-STD 810G environmentally tested for temperature, shock, vibration
- ✓ Typical module weight: 2.5lbs
- ✓ Typical module dimensions: 5.3" x 7.1" x 1.6"

### PacStar 441 SRM Small Router Module

- [At Communication](#) © ESR 5915 routing / switching module with (5) ports
- ✓ Fanless design for quiet operation, higher reliability, and low power draw



### PacStar 442 SSM-10 Small Switch Module

- ✓ Based on Cisco ES 2020 switching module with (10) ports
- ✓ (4) PoE enabled ports (802.3af)
- ✓ Fanless design for quiet operation, higher reliability, and low power draw



### PacStar 451 SSV Small Server Module

- ✓ Powerful, compact server module to add applications and services at the edge Seamlessly integrates with PacStar 400 and 4000-series
- ✓ Intel 4th generation “Haswell” processor; available as dual-core i5 or quad-core i7
- ✓ A variety of appliance options available, including but not limited to:
  - ✓ Riverbed Virtual Steelhead WAN optimization
  - ✓ Haivision Kraken video transcoding
  - ✓ Cisco Unified Communications Manager 8.6



### PacStar Pelican™ Case Systems

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

There is a range of laser cut foam Pelican case systems holding (3) to (6) 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



### Custom Options



Based on customer requirements, AT Communications will develop custom packaging, mounting and transport systems.



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