JEFF-K
by NTS

JOINT ENTERPRISE FORWARD FLYAWAY KIT
Deployable SFF Compute & Network.

From the flight line to the forward operating base, the JEFF-K delivers enterprise-grade compute and network capability in a compact, flyaway package purpose-built for forward intelligence operations.

With simultaneous three-enclave support across NIPR, SIPR, and TS/JWICS, flexible multi-transport connectivity via SATCOM, Ethernet, and 5G, and MANTLE-powered automation that brings the entire kit online in minutes—your team arrives ready to operate, not to build. The JEFF-K is your mission infrastructure in a single Pelican case.

POWERED BY MANTLE

FEATURES

THREE-ENCLAVE ARCHITECTURE
Simultaneous NIPR, SIPR, and TS/JWICS communications in a single integrated chassis—enabling full-spectrum intelligence operations without multiple systems or duplicate setups at the forward location.

MOBILITY & PACKAGING
Ruggedized Pelican case with wheels and adjustable handle. Single AC/DC power input. The 5-slot chassis accommodates routers, server module, and HAIPE encryption device in one compact, protected, ready-to-fly package.

MULTI-TRANSPORT ROUTING
Dual PacStar router modules for SIPR and JWICS. 2x GigE WAN ports (SFP or RJ45) and 4x GigE PoE LAN. Connects via SATCOM, Ethernet, and 5G Cellular for flexible, resilient transport across any operating environment.

EDGE COMPUTING CAPABILITY
Integrated PacStar server module with 6-Core Xeon E Processor and 96 GB ECC Memory. 5-Port GigE I/O with PoE. Purpose-built for in-theater computing, forward operating bases, vehicle mounts, and early-entry deployments.

HARDWARE SPECS

OEM	**PacStar**
CHASSIS	**5-Slot (AC or DC Power)**
ROUTER MODULES	**2 x 5.3" x 7.1" x 1.6" (2.4 lbs)**
SERVER MODULES	**1 x 5.3" x 7.1" x 1.7" (2.7 lbs)**
PROCESSOR	**6-Core Intel Xeon E**
MEMORY	**96 GB ECC**
STORAGE	**Single 2.5" SSD Bay**
WAN PORTS	**2 x GigE (SFP or RJ45)**
LAN PORTS	**4 x GigE RJ45 (PoE)**
ENCRYPTION	**HAIPE (Integrated + Bracket)**

NIPR
SIPR
JWICS

Three Enclaves.
One Kit.



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Not sure what your deployed comms will look like?

No problem. NTS can help you identify and operationalize your deployable infrastructure.

KEY BENEFITS

MANPOWER REDUCTION

Fewer People, Same Mission.

JEFF-K + MANTLE entirely eliminates the requirement for on-site tech expertise. No more manual configuration. No more waiting on FSRs or SMEs. A single operator following an automated workflow is all it takes to activate. That's not just a time savings—it's personnel that stay available for the mission.

AUTOMATED CONFIDENCE

Same Kit - Every Unit, Every Time.

Every JEFF-K deployment produces identical, validated results regardless of who runs it or where it lands. Commanders get assurance that their units are operating the same verified configuration across all sites—no variance, no rogue setups, no troubleshooting surprises downrange.

ACQUISITION READY

On Contract, In Budget.

Available to all federal agencies through the NASA SEWP GWAC vehicle. Pricing has already been competitively validated by multiple government users. NTS has equipped DoD units at the tactical edge since 2013 and can help you identify the right kit for your budget and requirements.

KIT VARIANTS

The **JEFF-K** is perfect for fixed or semi-permanent forward locations requiring full three-enclave operations and in-theater compute for up to four simultaneous users. Only need two enclaves? For smaller teams that don't require the full stack, NTS also offers the **JEFF-K LITE**, which provides capability for NIPR and either SIPR or JWICS. For on-the-move operations - vehicle convoys, mobile command posts, etc. - where battery power and no transit case matters more than enclave count, we offer the **TUCK-19**, a SFF baseband kit with the option of a 5G modem Cradlepoint. This kit has 8-ports on both Red and Black sides, one port for PoE, and includes hot swappable batteries.

Please note that all kits require a Secure Entry Point (SEP) for reach back.

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