Information ASSURANCE SPECIALISTS

IAS STEW-R

The IAS Small Tactical Executive WAN-R (STEW-R) is a smaller, more rugged, more capable version of our time tested, field proven IAS STEW. Designed from the ground up to meet the needs of the most agile Communicator, the **IAS STEW-R enables access to secure, classified voice, data, and video services over a multitude of commercial network technologies** (Ethernet, Wi-Fi, Cellular, MANET, Satcom, etc.) from even the most remote locations.

Two Routers, One Device

The IAS STEW-R is a dual router/VPN gateway appliance that incorporates an **IAS Router and a Cisco Embedded Service Router (ESR) in a single device** (both of which are NSA CSfC APL listed). The IAS STEW-R is fully configurable as to which internal router is used in the BLACK and RED router role.

However, the IAS Router is typically used as the WAN facing router for its diverse WAN technology support, robust routing and VPN performance (CNSA IPSec (Suite B) greater than 250 Mbps) and user-friendly graphical user interface (GUI). The Cisco ESR is typically used as the classified network facing router, for its enterprise class routing capabilities and Cisco Proprietary protocols.

Enhanced Design of a Proven Solution

The IAS STEW-R is based on the proven, fielded legacy IAS STEW product with several product enhancements including:

- Twenty percent smaller than the legacy IAS STEW
- Size - 10” wide x 9.2” deep by 1U (1.6”) tall
- Weight - sub 7lbs
- More robust, machined aluminum enclosure design
- More robust power connector design (LEMO)
- User accessible cellular modem sim slots that feature a tool-less captivate SIM socket
- Built in (user serviceable) battery and Uninterruptable Power Supply (UPS) logic

Certifications

- NSA Commercial Solutions for Classified*
- FIPS-140-2 Level 2 Validated*
- NIAP Common Criteria Certified*
- DISN DECTK-GW Program
- DISA UC APL and JITC approved*

* IAS VPN Gateway Module and Cisco ESR

Key Features

- Gray & Red VPN Gateways in a single device
- WiFi Client, allowing navigation past Wi-Fi login screens
- Support for up to TWO built in 4G/5G cellular radios
- Easy to use GUI that can be tailored to the user
- Supports both Type 1 use and CSfC use

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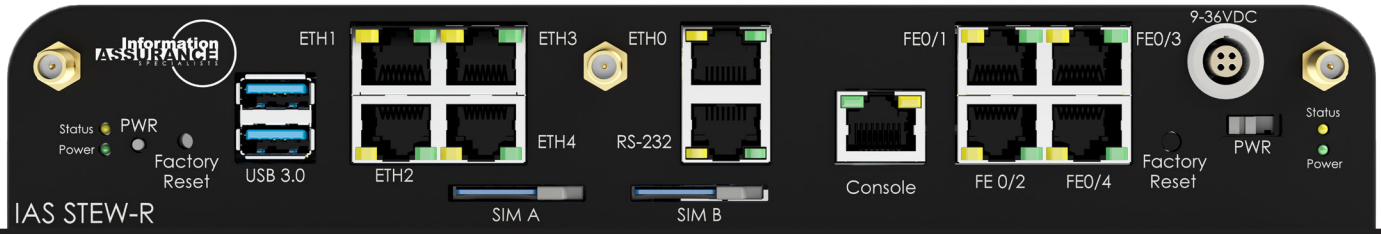
IAS STEW-R

Box used as a reference to size reduction from legacy IAS STEW



IAS Router Operating System (ROS)

The IAS ROS is a very secure, high performance, small footprint IP router operating system that was custom developed from the ground up to support military and government use cases. The IAS Router Operating System's (ROS) patented WAN technology management flexibility provides Communicators:

- Failover/failback across multiple WAN technologies (Ethernet, Cellular, Wi-Fi etc.)
- Commercial National Security Algorithm (CNSA) IPSec (IPSec) VPN mode of operation
- 802.11 b/g/n/ac Wi-Fi radios as either a traditional Wi-Fi access point and/or Wi-Fi client to consume public Wi-Fi
- Deep packet inspection, advanced firewall functionality and NSA CSfC operation
- Support for enterprise-grade advanced routing capabilities
- Simple to use, web-based Graphical User Interface (GUI)

DISN Enterprise Classified Travel Kit Gateway

The IAS STEW-R is approved for use in the DISN Enterprise Classified Travel Kit Gateway (DECTK-GW) program. The program was developed primarily for executive communicators to enable a Virtual Private Network (VPN) connection to DOD's Secret IP Router Network (SIPRNet) via rapidly deployed solutions utilizing any internet connection, anywhere in the world. DISA's gateway enables a VPN connection to SIPRNet and allows users to make classified voice calls through DISA's Enterprise Classified Voice over IP service.

NSA Commercial Solutions for Classified

The IAS STEW-R supports use of traditional Type 1 HAIPE devices for access to classified networks OR users may desire to leverage the National Security Agency's (NSA) Commercial Solutions for Classified (CSfC) process.

NSA's CSfC program was established to enable the use of commercially available security products to be used in layered solutions for protection of US Government and DoD classified information (voice, data, video, etc.) up to and including TS/SCI. NSA CSfC comprised solutions rely on the implementation of two (vendor diverse) layers of commercial IPSEC VPN cryptography.

CSfC benefits include:

- Reduction of overall size, weight, power and cost by removing Type 1 COMSEC item(s)
- Eliminates the concerns of using Type 1 COMSEC devices in "hostile" environments
- Ability to deploy cutting-edge technology from the commercial market

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