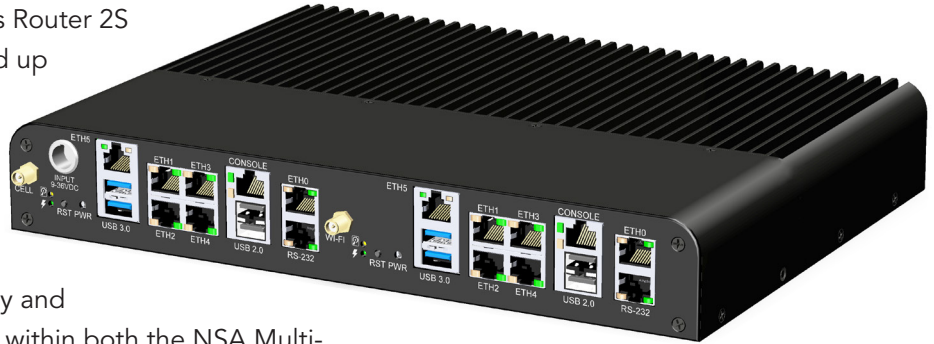


# IAS CCESR-2S-R

## Converged Communications Edge Services Router 2S-Rugged

The Converged Communications Edge Services Router 2S Rugged (CCESR-2S-R) is built from the ground up turn-key dual VPN Gateway device, designed and manufactured by Information Assurance Specialists Inc., that is targeted at National Security Agency Commercial Solutions for Classified (CSfC) program use. The IAS CCESR-2S-R is a single form factor isolated Grey and



Red VPN Gateway solution that has application within both the NSA Multi-Site Connectivity and the Campus WLAN Capability Packages. The CCESR-2S-R contains an IAS Router MICRO and an IAS Router MICRO Extreme hosting the Aruba Virtual Mobile Controller, both of which have obtained NIAP Common Criteria Certification and are NSA CSfC Component List listed.

The IAS CCESR-2S-R offers dual VPN Gateway appliances within a single 12" wide x 8.5" deep x 1.9" tall form factor that has been designed to be rugged enough survive the punishment of forward deployed applications. The CCESR-2S-R's use in the NSA CSfC Multi-Site Connectivity Capability Package affords users with over 250 Mbps of red network (double encrypted) throughput, while being small enough to be transported easily, and only consuming approximately 30 watts of power (when PoE ports are not in use). Each VPN Gateway appliance within the CCESR-2S-R offers an 802.11af Power over Ethernet port in support of external PoE powered IP networking appliances (such as VoIP phones, video cameras or Wi-Fi Access Points).

Due to the CCESR-2S-R's innovative use of the Aruba Virtual Mobile Controller, the CCESR-2S-R also has applicability in the NSA Campus WLAN Capability Package use cases. No other single device form factor solution offers the ability for a CSfC compliant Wireless Local Area Network (WLAN) to be deployed as easily and in such a small footprint as the CCESR-2S-R. When the CCESR-2S-R is coupled with a commercial off the shelf CSfC CL listed Aruba Access Point(s) a wireless network can be quickly deployed locally, and then long hauled back to an enterprise location, and do so securely using CSfC security principles for the protection of classified information up to and including TS-SCI. Uses included Executive Communications teams that wish to support their principle using either wired or wireless devices, finally giving the executive the use of commercial technology they have desired for years. Additionally, Forward Operating Bases can deploy 802.11 Wi-Fi networks for classified network use for rapid network deployment, while enabling COTS Wi-Fi and/or wired Ethernet based devices to be utilized.

### IAS CCESR-2S-R:

- 1.9" Tall x 12" Wide x 8.5" Deep
- Approx. 6 Lbs
- 9-36 wide range VDC input
- 100~240 VAC 50/60Hz PSU Included
- Semi Rugged Design
- Supports NSA CSfC Multi-Site Connectivity and Campus WLAN Capability Packages

### IAS Router MICRO:

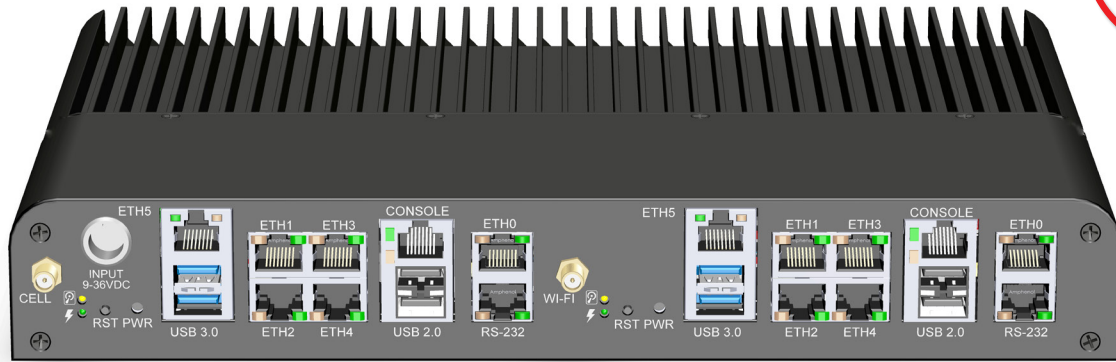
- Gigabit Ethernet, 802.11 Wi-Fi, internal or USB tethered 3G/4G cellular WAN technology support
- (6) Gigabit Routed Ethernet ports
- (1) 802.3af PoE port (15 watt)
- (2) USB 3.0, (2) USB 2.0 ports
- Easy to configure and use Graphical User Interface
- NSA CSfC CL listed VPN Gateway

### Aruba Virtual Mobile Controller:

- Hosted on IAS Router MICRO Extreme running VMware Hypervisor
- (6) Gigabit Routed Ethernet ports
- 9-36 wide range VDC input
- (1) 802.3af PoE port (15 watt)
- (2) USB 3.0, (2) USB 2.0 ports
- Easy to configure Graphical User Interface
- NSA CSfC CL listed VPN Gateway

# Converged Communications Edge Services Router 2S-Rugged

CSfC Solutions That Have No Rival

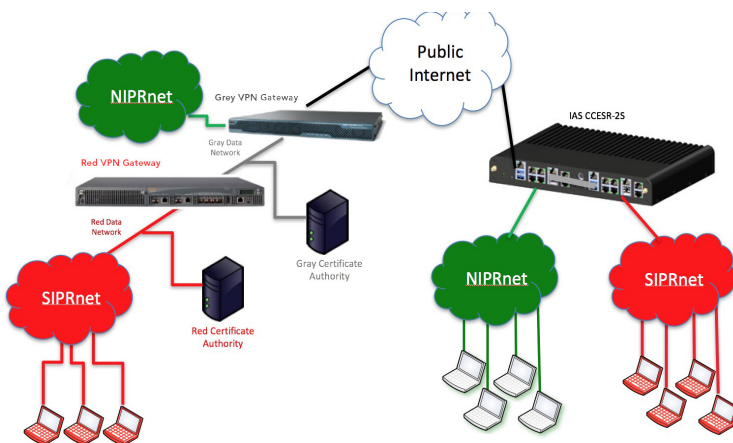


The IAS CCSR-2S-R is designed around the IAS Router MICRO as the Grey (outer) Network VPN appliance. Because the IAS Router MICRO is used the CCSR-2S-R device can be deployed in environments where either Gigabit Ethernet, 3G/4G cellular, Wi-Fi client and legacy serial devices are able to be used as WAN technologies to support the long haul transport of classified information. The IAS Router MICRO offers the easy to use IAS Router Graphical User Interface that speeds configuration and deployment. Within a matter of minutes the CCSR-2S-R can be setup in a residence, hotel room, vehicle, executive aircraft, etc. with the ultimate in secure IP networking flexibility. There is no other CSfC Component List listed device that is as capable, small, robust, easy to use, with such high performance that is ready for the next generation of higher speed WAN technologies such as 802.11ac, Inmarsat GX, O3b's network, 4G LTE and even 5G as it evolves.

Additionally, the CCSR-2S-R implements the Aruba Virtual Mobile Controller Technology on the IAS Router MICRO Extreme hardware as the Red (inner) Network VPN appliance. This brings the power of Aruba's Mobile Controller technology to the size, performance, and durability of an IAS hardware appliance. All the capabilities of the Aruba Mobile Controller are accessible via the Aruba Graphical User Interface, on a purpose built Dual VPN Gateway solution for use in tactical edge of network applications.

The IAS CCSR-2S-R is capable of supporting both the NSA Multi-Site Communications Capability package and the CAMPUS WLAN Capability package dependant upon configuration prior to operation. IAS is the ONLY company with NSA CSfC Component List listed dual VPN Gateway/single device solutions. Following our tradition for being a technology pace setter, IAS is the first and only company to develop a device that marries the NSA MSC CP use case and the Campus WLAN use case into a single small, low power, rugged, deployable form factor.

## Mult-Site Communications CP Use Case



## Hybrid MSC & Campus WLAN CP Use Case

