

IAS MICRO

IAS Routers have been designed from the ground up to solve the many diverse and complicated IP networking and security challenges that Government, Military and Emergency Response Communicators have, and does so in one of the smallest, lightest weight, and easiest to use form factors available in the market today.

IAS Routers are small in size but not in capabilities. Each variant of the IAS Router is a single device, which converges the functionality typically provided by three or more commercial devices. The IAS Router is the "Swiss army knife" IP networking and security solution for even the most demanding users who need to access classified Government and Military networks while in mobile or dynamic operating environments.



IAS Router's Patented (Patent No. 8,832,425 B2, US 9,282,105 B1 and US 9,485,277 B2) WAN technology management flexibility provides Communicators:

- Support for whatever WAN technology, one or more Ethernet, 3G/4G Cellular and Wi-Fi client the user has available to them at that moment and location
- Support for the most robust commercially available IPsec VPN mode of operation, NSA's CNSA (Suite B) cryptography based IPMEIR, while also offering SSL VPN capabilities that are interoperable with most COTS vendors VPN appliances
- Include deep packet inspection, advanced firewall functionality and NSA CSfC operation
- Support for enterprise-grade advanced routing capabilities normally only found in pricey and difficult to use commercial offerings
- Simple to use web based Graphical User Interface (GUI) that even non-technical users will feel comfortable configuring and operating

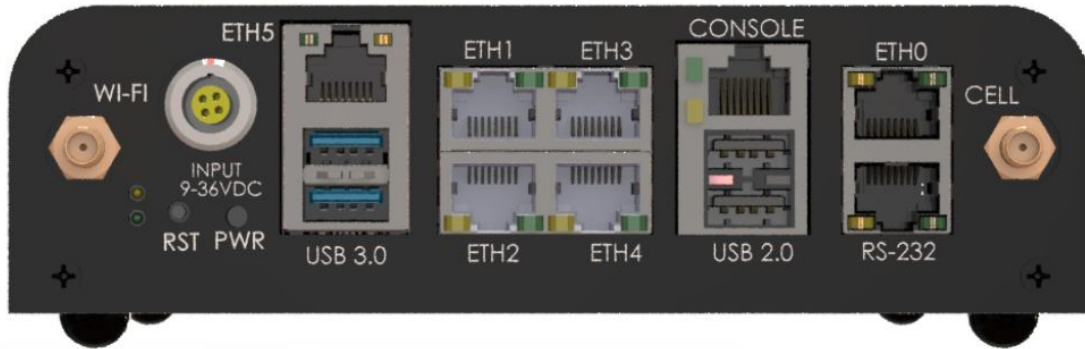
Certifications

- NSA Commercial Solutions for Classified
- FIPS-140-2 Level 2 Validated
- NIAP Common Criteria Certified

Applications

- Executive Leadership Communications
- Emergency Response Teams
- Forward Operating Bases
- HUMINT Collection Teams

The family of IAS Routers cover a wide range of sizes, port densities, performance levels, and levels of environmental robustness. We encourage you to visit our website for additional information or contact an IAS representative.



Physical

| | |
|--------------------|-----------------|
| L x W x H (Inches) | 9.0 x 6.5 x 1.8 |
| Weight (Pounds) | 3.5 |

Environmental

| | |
|-----------------------|---------------|
| Operating Temperature | -20°C ~ +70°C |
| Storage Temperature | -40°C ~ +85°C |
| Operating Humidity | 5% ~ 95% |

WAN Technology

| | |
|------------------------------------|----------|
| 10/100/1000 Ethernet | 6 |
| PPPoE | Yes |
| 802.11 a/b/g/n/ac client and/or AP | Yes |
| 3G/4G cellular (internal or USB) | Optional |
| RS232 | Yes |

VPN Technology

| | |
|---|-----------|
| IPSec | Yes |
| Commercial National Security Algorithm (CNSA) | Yes |
| CNSA IPSec Performance | >250 Mbsp |
| SSL VPN (OpenVPN Interoperable) | Yes |
| Dynamic Mode Virtual Private Network (DMVPN) | Yes |

Security

| | |
|--|-----|
| Deep Packet Inspection | Yes |
| Advanced Firewall Functionality | Yes |
| Intrusion Detection/Intrusion Protection | Yes |

Certifications

| | |
|---|-----|
| NSA Commercial Solutions for Classified Component List listed | Yes |
| FIPS-140-2 | Yes |
| NIAP Common Criteria | Yes |

Routing Protocols

| | |
|---|-----|
| IP v4 and IP v6 | Yes |
| DHCP Client and Server | Yes |
| Network Address Translation (NAT) | Yes |
| PMAC Filtering | Yes |
| Open Shortest Path First (OSPF) | Yes |
| Protocol Independent Multicasting (PIM) | Yes |
| Next Hop Resolution Protocol (NHRP) | Yes |
| Generic Routing Encapsulation (GRE) | Yes |
| Virtual LANs (VLANs) | Yes |
| Quality of Service (QoS) | Yes |
| IGMP | Yes |
| NTP Server and Client | Yes |

Virtualization Support

| | |
|---|----------------------------|
| IAS Router OS able to host virtual machines | Supports 1 Virtual Machine |
|---|----------------------------|

Configuration

| | |
|-------------------------|-----|
| Web browser based GUI | Yes |
| SNMP v3 | Yes |
| Syslog Server Reporting | Yes |

Power

| | |
|---|-----------|
| Wide Range Dirty DC Input | 9 ~36 VDC |
| 100-240 VAC 50/60 Hz auto ranging, auto sensing PSU | Included |
| 802.3af PoE port | 1 |
| 812 VDC output to power aux. electronics | Yes |

Third Party Capabilities

| | |
|-----------------------------------|----------|
| Cisco IOS (5921 ESR) | Optional |
| Aruba (Virtual Mobile Controller) | Optional |