

IAS Router Graphite

A ruggedized, compact, enterprise class Internet Protocol VPX router solution running IAS firmware.



The IAS Router Graphite is based on the 3U Open VPX (VITA 65 Compliant) form factor, and affords users the capabilities of a robust, enterprise class IP router in a small rugged form factor. The IAS Router Graphite runs IAS firmware which is Federal Information Processing Standard (FIPS) 140-2 validated by the National Institute of Standards & Technology (NIST), certified by the National Information Assurance Partnership (NIAP) Common Criteria Router/VPN Gateway, and has been placed on the National Security Agency's (NSA) Commercial Solutions for Classified (CSfC) Component List.

The IAS Router Graphite offers 5 Gigabit Ethernet interfaces, 2 USB 3.0 and 8 USB 2.0 interfaces (for cellular modems use, Ethernet port density expansion, or USB authentication to the device), and two RS-232 interfaces for legacy WAN technology devices. The IAS Router Graphite is capable of offering line rate switching performance, over 500Mbps routing performance, and over 250Mbps aggregate Suite B IPsec VPN performance; It does this all while consuming less than 15 watts of power. The IAS Router Graphite is able to operate in wide temperature ranges (-40 to +185 Fahrenheit) and withstand the shock and vibration requirements associated with VPX chassis use.

Features & Specifications

- Supports 3U VPX profiles:
 - MOD3-PAY-2F2T-16.2.5-2,3
 - MOD3-PAY-2F2T-16.2.3-2,3
- Optional Cisco Embedded Service Router 5921 Software Router for users who require Cisco Proprietary protocols
- 2 SATA interfaces, for firmware boot image or file storage (when used with optional IAS Router FTP server)
- Onboard temperature sensor