ECTOCRYP® Blue

Airbus CyberSecurity presents ECTOCRYP® Blue

Certified to protect up to TOP SECRET UKEO providing 1Gb/s throughput of secure voice, data and video in a meshed or hub and spoke architecture.

ECTOCRYP® Blue provides the functionality and flexibility to be the ideal gateway device for deployed PRIME devices such as ECTOCRYP® Yellow. It is capable of high throughput with traffic prioritisation allowing ECTOCRYP Blue® to ensure that the critical data arrives at its destination. Supporting dynamic configuration through Crypto Discovery, DHCP and Routin Protocols such as OSPF and RIP, system setup and maintenance is simplified.

With a support package providing up to 24/7 365 support from SMEs and Key ordering, Installation and Configuration assistance available.

Benefits

High Capacity

High Throughput

24/7 365 support from SME's in the UK

Traffic Prioritisation

Dynamic Configuration with automatic updates

Improved bandwidth efficiency

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Technical Specifications

Features

- PRIME Suite A
- IKEv2 (Pre-Shared Keys)
- Community Separation (CCOI)
- Pre-Placed Key (Manual) SA
- Multicast – Including receive only mode (EMCON)
- Remote Management
- Crypto Discovery - PTS
- OSPF & RIP
- QoS Bypass
- Qos Queuing
- NAT Traversal
- Access Control Lists
- IP Fragmentation and Reassembly
- Management via SNMPv3

Capacity

- 1000 simultaneous Security Associations
- Support for over 1000 keys (PPK, PSK, CCOI)
- >1.6 Gbit/sec bidirectional IMIX throughput
- <1ms latency

Certifications

- PRIME 1.3.2
- High Grade CAPS evaluation up to TS UKEO
- TEMPEST: Certified to SDIP 27/1 Level A
- RoHs Compliant
- EU EMC Directive and EU Low Voltage Directive

Security Features

- CIK support to enable operation
- Encrypted Software Update
- Tamper Detection
- Tamper Evident Seals
- Full Zeroise function
- Remote kill capability

Physical interface

- Management - 100Base- RJ145 (Front and Rear)
- Plaintext and Ciphertext - SFP 1000Base- T/1000Base- LX/1000Base-SX

Physical and Environmental Specifications

- Size: 2 U 19" Rack; 84x480x505 (HxDxW in mm)
- Weight: 15kg
- Operating Temperature: 0°C to 35°C – Humidity 30% to 70%
- Storage Temperature: -20°C to 60°C – Survive Humidity 93% @ 55°C
- Power: AC from 85-264VAC 47-63Hz

Future

- Certificates support
- Automatic annual rekey
- Simple and immeadiate isolation of compromised keys

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