



Airbus CyberSecurity presents ECTOCRYP® Yellow

Certified to protect up to TOP SECRET UKEO, ECTOCRYP® Yellow provides Portable High Grade IP Data Encryption.

ECTOCRYP® Yellow provides the functionality and flexibility to be ideal for deployment and can be used for remote connection to a central gateway such as ECTOCRYP® Blue.

Supporting dynamic configuration through Crypto Discovery, DHCP and Routing Protocols such as OSPF and RIP, system setup and maintenance is simplified.

ECTOCRYP® Yellow's backup battery lasts the lifetime of the unit, there's no need to replace it - there is no unit maintenance required after initial deployment either.

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

Benefits



Portable



EMCON



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



Reduced
Maintenance



Dynamic
Configuration
with automatic
updates



Improved
bandwidth
efficiency

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
- CT DHCP client
- NAT Traversal
- CIK Removal after boot
- Access Control Lists
- IP Fragmentation and Reassembly
- Management via SNMPv3

Capacity

- True 256 simultaneous Security Associations
- Support for up to 530 keys (PPK, PSK, CCOI)
- >180Mbit/sec bidirectionnal IMIX throughput
- <1ms latency

Certification

- PRIME 1.3.2
- CAPS certified for operation up to IL6
- TEMPEST: Certified to SDIP 27/1 Level A
- RoHs Directive
- 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

- Ciphertext - 100-Base- T RJ45
- Plaintext - 100-Base- T RJ45
- Plaintext - 100-Base-FX SC Fibre Optic

Physical and Environmental Specifications

- Size: 38 x 168 x 243 (HxDxW in mm)
- Weight: 1.8kg
- Operating Temperature: 0°C to 45°C – Humidity <70%
- Storage Temperature: -20°C to 60°C – Humidity <90%
- Power: 5V DC from 100-240VAC 50-60Hz plug top power unit, 15VA power dissipation
- Backup battery ~ 15 years

Future

- Certificates support (x.509)
- Automatic annual rekey
- Simple and immediate isolation of compromised keys
- DHCP Relay

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