INSTA



# Insta SafeLink Secret™

Ultimate encryption solution developed in Finland to protect higlhly classified communications. Quantum-safe algorithms, advanced system-level security and 10 Gbit/s encryption speed guard critical information today and in the post-quantum future.

Finnish Security Level Secret (TL II)
NATO CONFIDENTIAL
NATO SECRET (in process)



insta.fi/safelink

# Insta SafeLink Secret™



## Protects SECRET level data

The most advanced IP encryption device on the market enables the protection of Secret-level data. The encryption device, representing state-of-the-art Finnish technology, has been developed to secure communications for authorities and companies that require a high level of information security.



### HIGH LEVEL DATA SECURITY

- HW based red–black separation
- Uses quantum safe algorithms
- System level security: strong user authentication, secure key management, and active intrusion prevention
- Finnish Security Level Secret (TL II) accredited
- NATO SECRET accreditation in process

### MARKET LEADING PERFORMANCE

- 10 GBit/s encryption speed to support growing need for the data transfer
- Native multicast to support low bandwidth connections to the multiple receivers

### COMPLETE SOLUTION

- Compatible with Insta SafeLink product family
- Key management system (KMS), Network orchestrator (NEO), Log and alarm management, optionally CA solution

### EASY TO MAINTAIN

- Remote configuration, key and firmware updates
- Effortless scalability to large networks
- Maintenance services available for minimum 10 years

# Insta SafeLink Secret™ technical specifications

### IPsec VPN

- HW based red–black separation
- Multicast over IPsec
- Quantum secure encryption algorithms
- Remote management

### Routing

- Static
- OSPF
- PIM-SM/PIM-SSM
- IGMP

### Network

- RED: 2 x SFP+ 10 Gbps, 4 x 1 Gbps RJ45
- BLACK: 2 x SFP+ 10 Gbps
- Performance max 10 Gbps

### General

- Dimensios: 428 mm (19") x 43,4mm (1U) x 399mm (w., h., d.)
- Weight: 7,1 kg
- Power source: 100-240 VAC, 18-36 VDC
- Power consumption: 150 W

### Other

- IPsec VPN compatible
- VLAN (802.1Q)
- SNMPv2c
- Syslog
- NTP / Secure NTP
- Always-on tamper monitoring
- OLED display with self-diagnostics and status display

# Insta SafeLink product family

A scalable, highly secure IP encryption solution protecting critical data transfers. Product is designed and manufactured in Finland - encryption keys, configurations, and users, and for lifecycle management. The product family also includes comprehensive management systems for creating encryption keys, configurations, and users, and for lifecycle management (Insta SafeLink NEO and Insta SafeLink KMS).

SAFE LINK



Insta SafeLink **Lite™**



Insta SafeLink **Confidential™**



Insta SafeLink **Secret™**

| | | | |
|---|---|---|---|
| Quantum-safe | ● | ● | ● |
| Remote management | ● | ● | ● |
| MIL-STD-810G | ● | | |
| High availability | | ● | ● |
| Port-based network access control (802.1X) | ● | ● | ● |
| Security classification | CONFIDENTIAL (NCSA-FI, TL III) | CONFIDENTIAL (NCSA-FI, TL III) | SECRET (NCSA-FI, TL II) |
| International approvals | NATO-R<br>EU-R | NATO-R<br>EU-R | NATO-C<br>NATO-S (In process) |
| Multicast | ● | ● | ● |
| Performance | 100 Mb/s | 10 Gb/s | 10 Gb/s |
| VLAN (802.1Q) | ● | ● | ● |

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