



## - Secure communications over untrusted IP-networks

Färist VPN provides secure communication over untrusted IP-networks making it possible to interconnect private networks over untrusted public networks using encrypted tunnels.

The Färist VPN is a high assurance system that has been evaluated and certified according to Common Criteria for IT Security Evaluation (ISO/IEC15408:1999) with assurance package EAL4+. It is approved to protect Hemlig/Restricted, RESTREINT UE and Nato Restricted information in Swedish systems (specific version).

The Färist VPN-system is based on IPSEC standards and supports digital certificates for automatic key exchange. There is also support for encapsulating the ESP-packets in UDP for NAT-traversal.

Tunnels can be either at OSI-level 3 (IP-router) or at OSI-level 2 (Ethernet bridge).

Traffic in the tunnels can be unicast or multicast and can be restricted using IP-filters. Multicast tunnels are also supported.

The system can be administered via a standard web browser with no need for a special management station, providing detailed logging and traffic statistics. A centralised management system is also available providing effective management of large groups of Färists.

Management can be done over a specific management interface or tunnel without access to the encrypted traffic.

Färist VPN appliances come in a variety of sizes, from small mobile units to a high performance 19" datacenter system.

Performance depends on hardware and will increase over time as faster hardware becomes available.

### Assurance

- » Formally evaluated and certified according to Common Criteria for IT Security Evaluation (ISO/IEC15408:1999) with assurance packet EAL4+.
- » Swedish national crypto verification and approved for Nato and EU-restricted information in Swedish systems (specific version)
- » EU Second party evaluation
- » Source code reviewed by a national laboratory.



### Key Features

- » Provides secure communication over untrusted public networks
- » Formally evaluated and certified according to Common Criteria for IT Security Evaluation (ISO/IEC15408:1999) with assurance packet EAL4+
- » Approved for the Restricted level.
- » Can create tunnels at OSI-level 3 (IP) or OSI-level 2 (Ethernet) over both IPv4 and IPv6
- » Unicast and multicast traffic are supported
- » Automatic key exchange using RSA-certificates
- » Encryption using AES256 (256-bits)
- » Built in failover functionality for high availability configurations
- » Automatic secure update capability over the network
- » User friendly management using a standard web browser
- » Internally based on a standard PC-architecture makes it highly scalable, economical, and future proof
- » Made in Sweden

## Technical specifications

### D200 (M3192-200226)

- » Basic Desktop
- » 4 Ethernet ports
- » Fanless
- » USB for configuration and certificate import/export
- » Max VPN performance of 100 Mbit/s
- » Dimensions: 50 x 240 x 124 mm
- » Rack mount kit available (1,3 U)



### H200 (M3192-200231)

- » Carrier grade
- » 4 Gigabit Ethernet ports
- » Dual power supplies
- » AC or DC power supported
- » USB for configuration and certificate import/export
- » Max VPN performance over 1 Gbit/s
- » Dimensions: 1U, 19", depth 55 cm



### R110 (M3192-100118)

- » Basic Rackmount
- » 4 Gigabit Ethernet ports
- » Max VPN performance of 1 Gbit/s
- » Dimensions: 437 x 44 x 365 mm
- » Weight 6.5 kg



### H200 Options

- » DC 48V powersupplies (M3199-994759)
- » AC powersupplies (M3199-994769)
- » 4 Gigabit Ethernet ports (M3199-074010)
- » 4 10Gigabit Ethernet ports (M3199-075010)

### H150 (M3192-200212)

- » High Availability
- » 4 Ethernet ports
- » Dual power supplies
- » USB for configuration and certificate import/export
- » Max VPN performance 1 Gb/s
- » Dimensions: HxBxD 1U, 19", depth 51 cm
- » Operating temperature 10C up to +35C
- » Storage temperature -40C up to +50C
- » Humidity 8~95%, non- condensing



### H150-HP

- » High performance
- » 4 Gigabit Ethernet ports
- » Dual power supplies
- » USB for configuration and certificate import/export
- » Max VPN performance over 1 Gbit/s



Our policy of continuous development may cause the information and specifications contained herein to change without notice.