As office and industrial networks become linked by the mutual use of TCP/IP, new requirements arise in the field of network security. The Hirschmann two port EAGLE industrial firewall was developed specifically to meet these requirements. Consequently it offers a large range of protection functionality for virtually every design of network.

In order to achieve the highest level of security, the network administrator must master the art of firewall configuration, and deploy it to meet the requirements of a specific network.

**Target Group**

Product training course for Technicians and Engineers who are involved with the security of an industrial network.

**Prerequisites**

An understanding of Ethernet and TCP/IP, for example “Industrial Ethernet (CT1)” and “Industrial Networking (CT2)” is required. If available, the participant should bring a laptop with Ethernet connection and an operating system CD. Administrator rights are required.

**Objective**

In a professional environment the participants receive in-depth knowledge about the EAGLE One and the two port firewall variants and their security functionality. This includes installation, commissioning, and supervision.

The training is part theory and part practice. The necessary knowledge about functions and deployment possibilities are taught in individual theory blocks. Each block is followed by practical exercises, designed to familiarize the participants with the devices through first-hand experience.

**Languages:** SP1e English, SP1d German

**Duration:** 3 Days

**Schedule / Location / Price:**

[www.belden.com/resources/training](http://www.belden.com/resources/training)

Recommended for the Hirschmann Industrial Security Professional certification examination.

**Seminar Content**

**Basic Settings**
- Operating Modes
- Static Routing
- Firmware management
- Configuration management
- Port configuration
- Time Synchronization

**Security**
- SNMP, Web, SSH access
- User Firewall

**Redundancy**
- Transparent Redundancy
- Router Redundancy

**Network Security**
- Filtering IP Packets
- Filtering MAC Packets
- Firewall Learning Mode
- Address templates
- NAT (1:1)
- IP masquerading (1:N)
- Port forwarding
- Denial of Service

**Virtual Private Networks (VPN)**
- Authentication
- IKE settings
- IPSec Settings
- IP Networks
- Address Mapping

**Diagnostics**
- Events
- Syslog
- Port statistics
- Topology Discovery
- Device Status
- Firewall Lists
- Configuration Check

**Advanced**
- DNS Server
- Dynamic DNS
- Packet forwarding
- DHCP Relay and Server