



Features

- Provides seamless VESDA^{net} fault-tolerant communication
- Quick and simple to install
- Minimal configuration required before operation
- Diagnostic LEDs give visual indication of the card's status
- Fully transferrable between VESDA LaserFOCUS detectors

Approvals/Listing (pending)

- UL
- ULC
- FM
- LPCB
- VdS
- CCCF
- AFNOR
- SSL

The VESDA^{net} Interface Card (VN Card) is a simple plug-in interface card for the range of VESDA LaserFOCUS smoke detectors. The VN card provides seamless VESDA^{net} communications from the detector to other VESDA^{net} devices, including configuration and monitoring tools.

What is VESDA^{net}?

VESDA^{net} is a fault-tolerant proprietary VESDA communications protocol. VESDA^{net} allows the VESDA range of smoke detectors, displays, programmers and remote units to communicate with each other on one network.

Why connect to VESDA^{net}?

Installing a VESDA^{net} card into a LaserFOCUS detector and connecting to a VESDA^{net} offers many benefits, including:

Central, convenient communications with VESDA detectors

VESDA^{net} allows sophisticated configuration, monitoring and control from local or remote sites. So rather than a technician having to connect to each VESDA smoke detector individually (sometimes installed high above floor level), they can communicate with all detectors on the network from a central, convenient, location using a laptop.

VESDA^{net} also allows a system management package (such as VSM3) to monitor and report on the status of all devices connected on VESDA^{net} facilitating central supervision, management and control of all VESDA detectors

Remote displays and relays for the LaserFOCUS detector

By installing a VESDA^{net} card in a LaserFOCUS detector, remote displays and remote relays can be added. This extends the capability and flexibility of the LaserFOCUS detector.



VESDA^{net} Interface Card

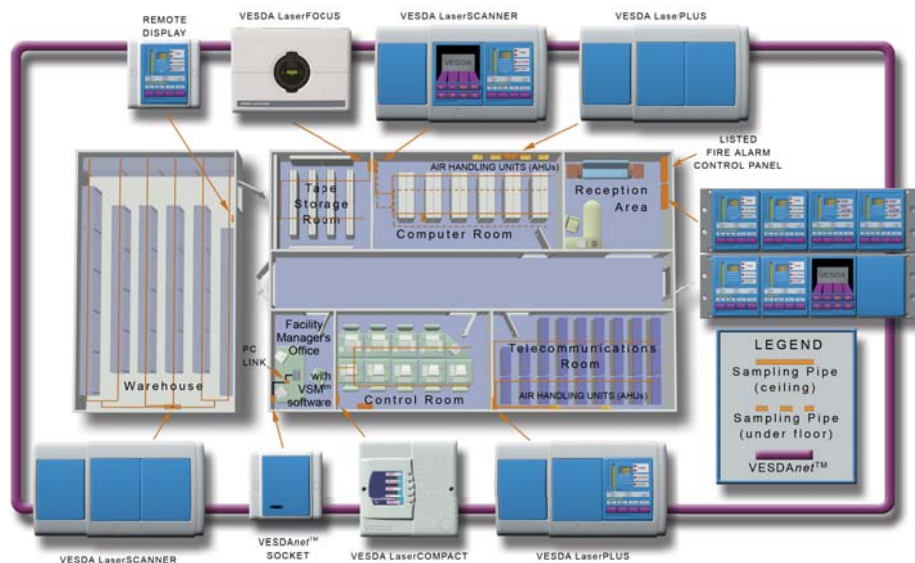
VIC-010

Connecting VESDA detectors to building management systems or fire panels

Using an appropriate HLI, the information on VESDA^{net} can be transmitted to 3rd party monitoring and control systems such as Building Management Systems (BMS) and Fire Alarm Control Panels (FACP).

Preventing false alarms due to outside air pollution

the LaserFOCUS can be used as a low cost reference detector for other active detectors on the VESDA^{net}. Referencing is a technique used to reduce the risk of unwanted alarms caused by external influences to a building, such as air pollution. It works by offsetting the signal from the active detector in the protected area with a reference signal from a detector monitoring the fresh air intake to the area. This results in the active detector measuring changes in smoke levels that are due only to events in the protected area, rather than those external to the area.



An example of various VESDA smoke detectors, all on a VESDA^{net} loop, protecting various rooms in a building.

Specifications

Power Consumption

Consumes less than 1 W from the detector at 24 VDC & 42 mA.

Dimensions

Length x Width x Height
137 mm (5 1/4") x 71 mm (2 13/16") x 20 mm (13/16")
Weight 0.08 kg (0.176 lb)
Terminals 0.2 - 2.5 mm² (30-12 AWG)

Operating Conditions

Detector Ambient 0 to 40 °C (32 to 104 °F)
Humidity 5% to 95% (non-condensing)

Product Warranty

2 years

Compatibility

A PC can be directly connected to a VESDA LaserFOCUS detector via a serial interface. The PC can then communicate with a VESDA^{net} via the VESDA^{net} card fitted in the VLF.

A hand-held programmer or High Level Interface module cannot be directly connected to a VLF. They can communicate with VESDA^{net} by connecting to any other VESDA Laser-based detector.

Ordering Information

Product	Part number
VESDA ^{net} card	VIC-010
Includes: interface cable, screws and VESDA ^{net} cable connectors	

Note: Individual LaserFOCUS detectors can be interrogated and configured through their onboard RS232 port when the VNcard is installed. However, it is not possible to access other detectors on VESDA^{net} through this serial port. To use a PC to configure and interrogate LaserFOCUS detectors via the VESDA^{net}, a VESDA^{net} socket (either onboard a VLP, VLS or VLC detector, or as a remote VESDA^{net} socket - VRT-300) must be available to connect the PC via a PC-link HLI (VHX-0200).

The Americas
Vision Systems
700 Longwater Drive,
Norwell, Massachusetts
02061 USA
Ph +1 781 740 2223
Toll Free +1 800 229 4434
Fax +1 781 740 4433

Australia and Asia
Vision Systems
495 Blackburn Road
Mount Waverley VIC 3149
Australia
Ph +61 3 9211 7200
Fax +61 3 9211 7202

Europe and the Middle East
Vision Systems
Vision House
Focus 31 Mark Road
Hemel Hempstead
Herts HP2 7BW UK
Ph +44 1442 242 330
Fax +44 1442 249 327

Online
www.vesda.com

The manufacturer reserves the right to change designs or specifications without obligation and without further notice. VESDA, LaserTEKNIC, LaserPLUS, LaserSCANNER, LaserCOMPACT, LaserFOCUS, VESDA^{net}, VESDAlink, ASPIRE, ASPIRE2, AutoLearn, VSM, VConfig, InfoWORKS, PROACTIV, PRECISION, VSC, ADPRO, FastTrace, FastVu, FastScan, Axiom, PRO, Amux and Video Central are trade marks used under licence by the distributor. This document is protected by copyright under the laws of Australia and other jurisdictions throughout the world. It must not by any means, either in whole or part, be reproduced, communicated to the public, adapted, distributed, sold, modified, published except as permitted by any laws or statute or with prior written consent of VFS International Pty Ltd. Copyright © 2005 VFS International Pty Ltd ACN 100 259 381.

