SIEMENS

Catalog Sheet
Fire Safety & Security Products

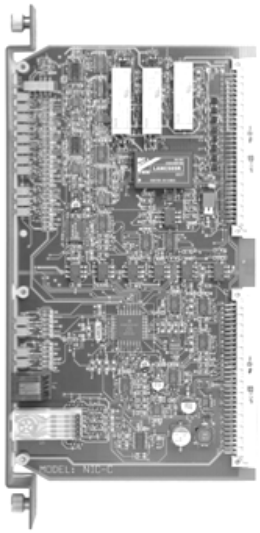
FireFinder XLS

Network Interface Card
Model NIC-C

ARCHITECT AND ENGINEER SPECIFICATIONS

- HNET communications
- XNET communications
- CAN network communications
- Supports Class B - Style 4 or Class A - Style 7 wiring for XNET or HNET
- Supervises the HNET or XNET and CAN networks
- Diagnostic LEDs
- Isolates short circuit faults
- Ground-fault detection
- Network repeater
- Downloadable firmware
- ®UL 9th Edition Listed & ULC Listed; FM, CSFM and NYMEA Approved

Model NIC-C
(Front View)



Model NIC-C
(Side View)

Product Overview

The Network Interface Card (Model NIC-C) provides HNET or XNET network communications between enclosures. In addition to the HNET or XNET communication, Model NIC-C provides CAN network communication within an enclosure or external to the enclosure. The HNET or XNET can be wired Class B - Style 4 or Class A - Style 7, but the CAN network can only be wired Class B - Style 4.

Specifications

A single Model NIC-C can provide either HNET or XNET communications. The CAN interface is available regardless of the HNET or XNET usage.

When Model NIC-C is used for HNET communications, Model NIC-C provides communication between enclosures within a single system. The maximum HNET Model NIC-C cards on a single system (single node) is 50. Model NIC-C supervises the HNET network to insure proper operation. Model NIC-C also isolates a short-circuit fault to each individual segment of the HNET network. Model NIC-C provides an electrical repeater for each HNET pair.

When Model NIC-C is used for XNET communications, Model NIC-C provides communication between systems. The maximum XNET Model NIC-C cards on a single system (single node) is one (1) - for a total of (59) XNET Model NIC-C cards on a peer-to-peer, networked system. The XNET Model NIC-C card must reside in the same enclosure as the Person Machine Interface (Model PMI).

Model NIC-C supervises the XNET network to ensure proper operation. Model NIC-C also isolates a short-circuit fault to each individual segment of the XNET network. Model NIC-C provides an electrical repeater for each XNET pair. MXL systems may also reside on the same XNET with FireFinder XLS systems.

The FireFinder XLS will also report all events over the XNET to the Network Command Center for display. Events are displayed on Model NCC-G: *Trouble*, *Acknowledge*, *Alarm-Silence* and *System-Reset* commands are also initiated at Model NCC. Model NCC can also be used to perform maintenance commands on an individual Fire Finder XLS on the XNET.

SIEMENS Industry, Inc.
Building Technologies Division

Specifications – (continued)

The NIC-C Card takes one card slot and mounts in a CC-2 or CC-5 Card cage inside a CAB-1, CAB-2, or CAB-3 Enclosure.

The NIC-C provides the CAN network which supports the LCM-8 / SCM-8 / FCM-6 / OCM-16 / SIM-16 CAN modules. Up to (99) CAN module addresses are available per enclosure.

The NIC-C Card has diagnostic LEDs that indicate Card Fail, CAN Fail, HNET Fail, XNET Fail, Ground Fault, Loop-A Fail and Loop-B Fail, as well as LEDs to indicate Power, Style and Active Networks.

Details for Ordering

Model Number	Part Number	Description
NIC-C	500-033240	Network Interface Card

Temperature and Humidity Range

Products are ℗UL 864 9th Edition listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and at a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Electrical Ratings

Input Power	
24V Back Plane Current	120mA
Screw Terminal 24V Current	0
6.2V Back Plane Current	0
24V Standby Current	120mA

Output Power	
Each HNET/XNET And CAN Network Pair	8V peak to peak max.
	75mA max. (during msg transmission)

Notice: This marketing catalog sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.

SIEMENS Industry, Inc.
Building Technologies Division

Fire Safety
8 Fernwood Road
Florham Park, NJ 07932
Tel: (973) 593-2600
FAX: (908) 547-6877
URL: www.SBT.Siemens.com/FIS

(SII)
Printed in U.S.A.

Fire Safety
2 Kenview Boulevard
Brampton, Ontario
L6T 5E4 / Canada
Tel: (905) 799-9937
FAX: (905) 799-9858

May 2010
Supersedes sheet dated 7/09
(Rev. 2)