

# SK-NIC

## Network Interface Card

The SK-NIC Network Interface Card is an optional component for use with Silent Knight® 6000 Series fire alarm control panels. It allows the subassemblies to connect to the broadband network from remote locations.

The SK-NIC enables a common communications and annunciation link to be created between up to 17 panels. A designated panel is configured as the communicator for all panels in the link for convenient single-point communications.

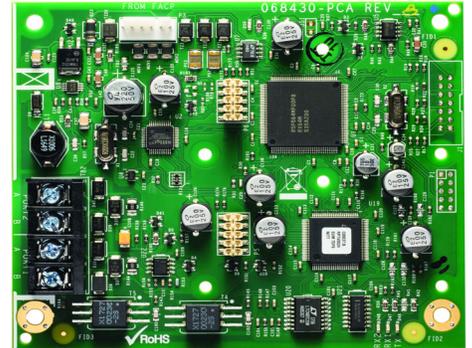
**Note:** Note: The SK-NIC provides a common communications link for 6700, 6808, 6820 and 6820EVS panels. However, they cannot be linked together for peer-to-peer networking.

The SK-NIC card comes standard with network connections using unshielded, twisted-pair, copper wire. For fiber optic networks, optional single-mode and multi-mode fiber-optic network add-on modules are available.

## COMPATIBILITY

The SK-NIC Network Interface Card is compatible with the following Silent Knight FACPs:

- 6820
- 6820EVS
- 6808
- 6700



## FEATURES AND BENEFITS

- UL listed. Complies with UL 864, 10th Edition; UL 2572, 2nd Edition
- Complies with NFPA 72 standard
- CSFM, FDNY, and FM approved
- Provides the capability for networked FACPs to connect in Class A or Class B configurations
- Offers standard unshielded twisted pair copper wire network connections
- Provides connectors for optional single or multi-mode fiber-optic cables
- Can be mounted within the FACP cabinet (except with 6700)
- Accessory kit is available for installing the SK-NIC outside of the FACP cabinet
- Includes 625K baud ARCNET repeater

# SK-NIC TECHNICAL SPECIFICATIONS

## PHYSICAL

### Dimensions:

4.15" H x 4.80" W  
(10.54 cm x 12.2 cm)

**Weight:** 2.56oz (72.6g)

## ENVIRONMENTAL

**Operating Temperature:** 32° F to 120° F  
(0° C to 49° C)

**Humidity:** 0% to 93% relative humidity  
(noncondensing)

## ELECTRICAL

**Operating Voltage:** 24VDC

**Standby Current:** 21mA

**Alarm Current:** 21mA

## WIRING

**Copper Wire:** 16 to 18 AWG twisted-pair, unshielded Up to 3,000 ft. (914.4 m) between each node

**Fiber-Optic Cable:** (SK-FML only) Up to 200 microns optimized for 62.5/125 microns. Up to 8 dB loss between nodes

**Fiber-Optic Cable:** (SK-FSL only) Optimized for 9/125 micrometer cable @ 1310 nm. Up to 30 dB loss between nodes

## ORDERING INFORMATION

**SK-NIC:** Network Interface Card

## ACCESSORIES

**SK-NIC-KIT:** Accessory kit for installing the SK-NIC outside of the FACP cabinet (required for the 6700 FACP) Includes cabinet and one SK-NIC Network Card.

**SK-FML:** Fiber Module, multi-mode

**SK-FSL:** Fiber Module, single-mode

**Note:** Refer to SK-FML / SK-FSL datasheet 351624 for additional information.

## STANDARDS AND CODES

The SK-NIC complies with the following standards/codes:

- UL 864, 10th Edition: Standard for Control Units for Fire Alarm Systems
- UL 2572, 2nd Edition: Standard for Mass Notification Systems
- NFPA 72 National Fire Alarm and Signaling Code

## AGENCY LISTINGS AND APPROVALS

- UL Listed: S2766
- FDNY: COA # 6017, 6122, 6198, 6296A, 6299, 6302A, 6304
- CSFM Approved
- FM Approved

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### Honeywell Silent Knight

12 Clintonville Road  
Northford, CT 06472-1610  
203.484.7161  
www.silentknight.com

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