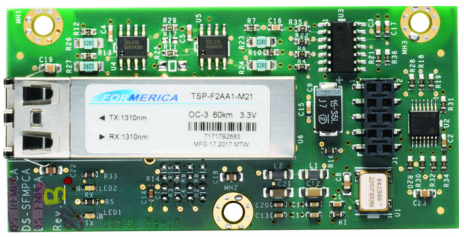
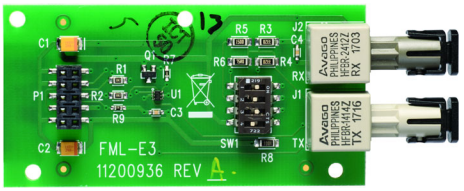
SK-FML/SK-FSL

Fiber-optic Modules

The SK-FML and SK-FSL are plug-in fiber loop modules. These work as one channel to transmit or receive communications with the SK-NIC ARCNET communication circuit.



SK-FSL



SK-FML

The SK-FML (Fiber-optic Multi-Mode) module allows multimode fiber to connect network nodes. It features ST-style connectors with a maximum attenuation of 8db with 62.5/125 micron cable. The SK-FSL (Fiber-optic Single-Mode) module allows single mode fiber to connect network nodes. It features LC-style connectors with a maximum attenuation of 30db with 9/125 micron cable.

Each fiber loop module can Transmit (TX) or Receive (RX) on a fiber-optic cable connecting to the SK-NIC (Network Interface Card). Up to two fiber loop cards can be added to the SK-NIC, and both cards may be combined in the same configuration.

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

COMPATIBILITY

The SK-FSL and SK-FML Fiber-optic Modules are 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
- Simple plug-in card installation
- SK-FML features ST-style connectors with a maximum attenuation of 8 dB with 62.5/125 micron cable
- SK-FSL features LC-style connectors with a maximum attenuation of 30db with 9/125 micron cable
- Provides the option to combine single and multi-mode modules on the same network card
- Connect compatible panels using fiber optic cable for improved multi-site management and lower monthly monitoring costs
- Use single and multi-mode modules on the same network card for added design flexibility
- Mix fiber-optic segments in the same network as existing copper wire segments for more convenient system upgrades

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SK-FML/SK-FSL TECHNICAL SPECIFICATIONS

PHYSICAL

Dimensions:

4.0" H x 2.5" W x 0.25" H
(10.16 cm x 6.35 cm x 0.635 cm)

Weight: 6.4oz (181.4g)

ENVIRONMENTAL

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

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

ELECTRICAL

Operating Voltage: 24VDC

	SK-FML	SK-FSL
Connection Style:	ST	LC
Cable Type (microns):	62.5/125	9/125
Standby Current (mA):	53	79
Alarm Current (mA):	53	79

ORDERING INFORMATION

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

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

ACCESSORIES

SK-NIC: Network Interface Card

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.

Note: Refer to SK-NIC datasheet 351623 for additional information.

STANDARDS AND CODES

The SK-FML/SK-FSL 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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