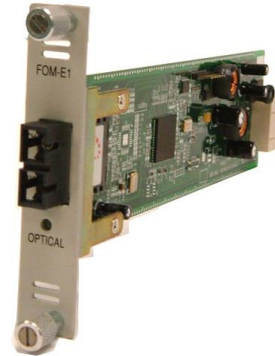




Fiber Optical Interface Card for Loop-AM3440

Features

- Supports 1 + 1 protection functionality
- Supports ring protection functionality
- Supports remote management via EOC channel
- Provides a multi-color LED indicator



Description

The fiber optical interface is designed for Loop-AM3440 as embedded 1 or 4 E1 fiber optical modem. This plugged-in card can be used to aggregate 1 or 4 E1 channels to a single fiber optical interface to connect with other Loop-AM3440 and Loop-O9310-E1 units.

Ordering Information

To specify options, choose from list below:

Note: RoHS compliant units are identified by the letter **G** appearing at the end of ordering code.

Model	Description	Notes
Loop-AM3440-FOM-opt- G	Fiber Optical Interface	This card is used in AM3440-A/C only

Accessories

User's Manual

Loop-AM3440-FOM-UM	User's Manual (paper copy). Note: A CD version of the manual is already included as standard package.
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■ Where **opt** is used to select optical module type (All optical modules are RoHS compliant):

opt =	Description	Note
NHB3S (was SAA)	Single optical module with dual uni-directional fiber, 1310 nm, SC optical connector, 30 km - S1.1	<ul style="list-style-type: none"> • Use dual fiber • Units delivered ITU-T G.957 application code
NHB5S (was SBB)	Single optical module with dual uni-directional fiber, 1310 nm, SC optical connector, 50 km – L1.1	<ul style="list-style-type: none"> • Use dual fiber • Units delivered ITU-T G.957 application code
NHB3F (was SCC)	Single optical module with dual uni-directional fiber, 1310 nm, FC optical connector, 30 km – S1.1	<ul style="list-style-type: none"> • Use dual fiber • Units delivered ITU-T G.957 application code
NHC2S (was SDD)	Single optical module with dual uni-directional fiber, 1550 nm, SC optical connector, 20 km – S1.2	<ul style="list-style-type: none"> • Use dual fiber • Units delivered ITU-T G.957 application code <p> For the orders of the listed optical modules, please contact your Loop sales representative.</p>
NHCUS (was SEE)	Single optical module with dual uni-directional fiber, 1550 nm, SC optical connector, 100 km – L1.2	<ul style="list-style-type: none"> • Use dual fiber • Units delivered ITU-T G.957 application code

WHD2S (was SSM)	Single optical module with single bi-directional fiber (master), 1310 nm transmit and 1550 receive, SC optical connector, 30 km – S1.1/ S1.2	<ul style="list-style-type: none"> • 1310 nm from master to slave • Order WHD2S to use with WHE2S • Use 1 fiber • ITU-T G.957 application code
WHE2S (was SSS)	Single optical module with single bi-directional fiber (slave), 1310 nm receive and 1550 transmit, SC optical connector, 30 km – S1.1/ S1.2	<ul style="list-style-type: none"> • 1550 nm from slave to master • Order WHE2S to use with WHD2S • Use 1 fiber • ITU-T G.957 application code

Note: For other special optical modules, please contact your nearest Loop sales representative.

Product Specifications

Fiber Optical Interface

Source	MLM Laser	Line Code	Scrambled NRZ
Wavelength	1310 ± 50 nm, 1550 ± 40 nm	Detector Type	PIN-FET
50 Km reach		Protection	Optional 1+1 APS

NOTE: Longer or shorter, 15 to 120Km, on special order.

Optical Fiber Interface Characteristics

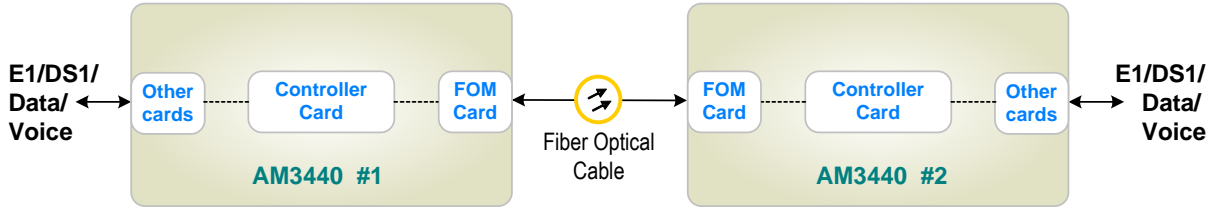
Optical Module	Fiber Direction	Wavelength (nm)	Connector	Distance (km)
NHB3S (was SAA)	Dual uni-directional	1310	SC (Subscriber Connector)	30
NHB5S (was SBB)	Dual uni-directional	1310	SC (Subscriber Connector)	50
NHB3F (was SCC)	Dual uni-directional	1310	FC (Fiber Connector)	30
*NHC2S (was SDD)	Dual uni-directional	1550	SC (Subscriber Connector)	20
SEE	Dual uni-directional	1550	SC (Subscriber Connector)	100
WHD2S (was SSM)	Single bi-directional (master)	1310/1550	SC (Subscriber Connector)	30
WHE2S (was SSS)	Single bi-directional (slave)	1550/1310	SC (Subscriber Connector)	30

NOTE: Other fiber optical options available on special order

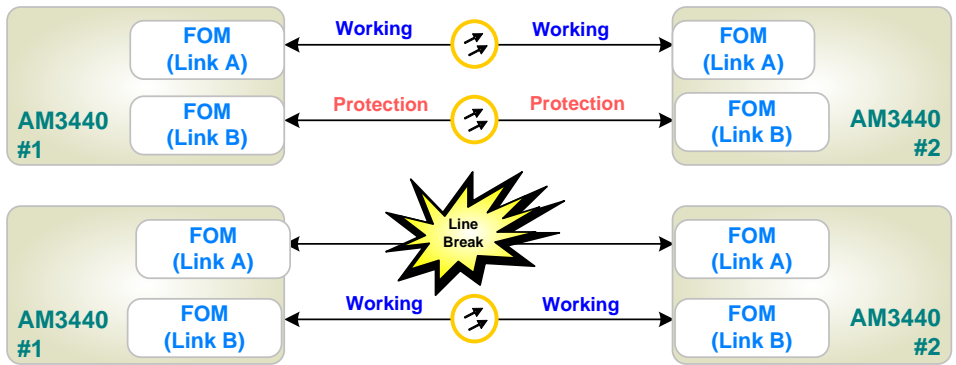
* For the orders of the listed optical module, please contact your Loop sales representative.

Application Illustrations

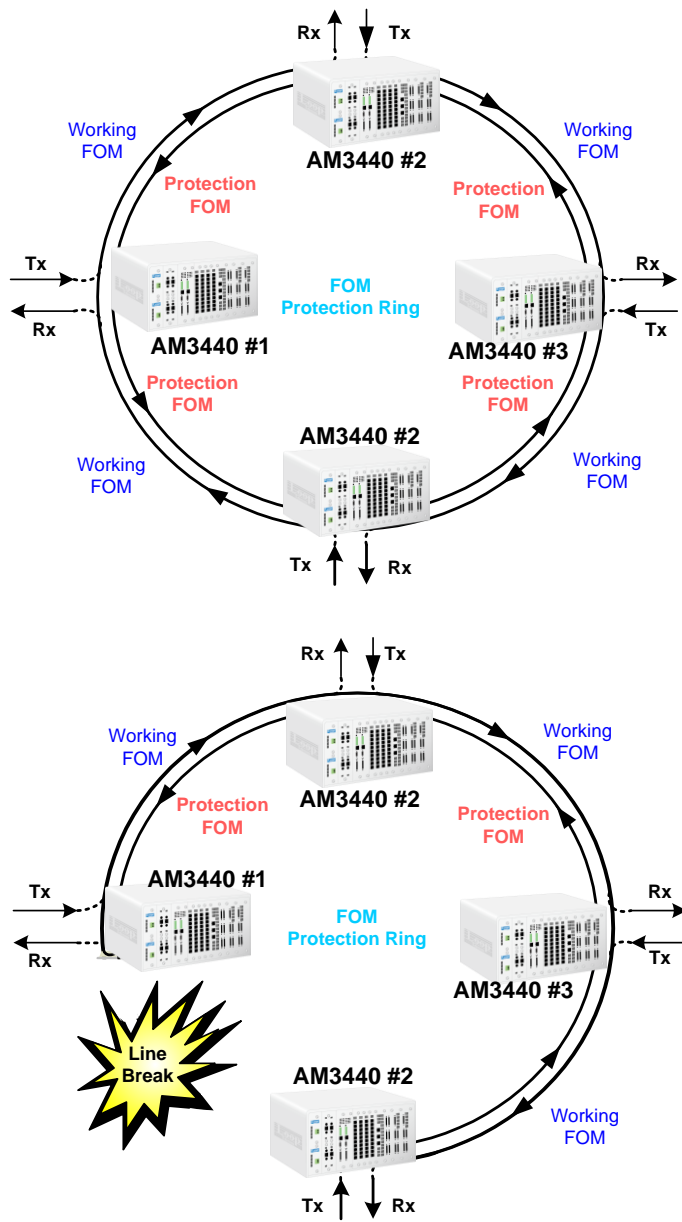
Point to Point



1 for 1 Protection



Ring Protection



www.looptelecom.com

LOOP TELECOMMUNICATION INTERNATIONAL, INC.
ISO 9001 / ISO 14001

Worldwide

6F, No. 8, Hsin Ann Road
 Hsinchu Science Park
 Hsinchu, Taiwan 300092
 +886-3-578-7696
sales@looptelecom.com

Europe

Rue de Culot, 13
 BE-1402 Nivelles
 Belgique
 +32-496-54-27-44
eu_sales@looptelecom.com

Americas

8 Carrick Road
 Palm Beach Gardens
 Florida 33418, U.S.A.
 +1-561-627-7947
nca_sales@looptelecom.com

Australia & New Zealand

3 Imperial Ave, Mount
 Waverley, Victoria 3149,
 Australia
 +61-413-382-931
aus_sales@looptelecom.com