

## Features

- Transport 4 or 8 duplex option module channels on 1 fiber
- Option Modules available for audio, data, contact closure, and intercom applications
- Rack-mount version
- Network Management System (NMS) compatible



## 9621AY, 9622AY

### 4-/8-channel optical duplex Option Module host cards

#### Description

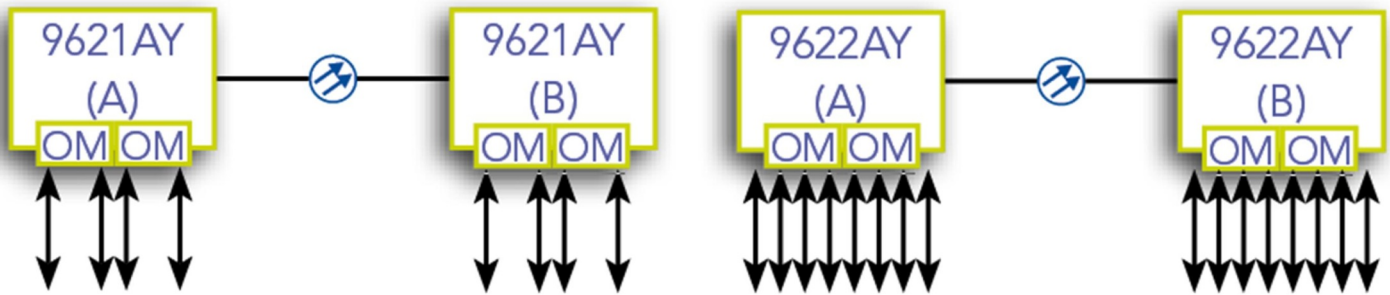
These Optelecom® Option Module host cards provide optical transport for four or eight duplex option module channels and make complex system configuration easy by supporting nearly any combination of four or eight data, audio, contact closures, or intercom channels on one fiber.

The 9621/9622 series comes as a rack-mount version, suitable for a 9002 or 9008 power supply cabinet, or as a standalone unit. The 9621/9622 series modules are managed with the Optelecom® Network Management System (NMS).

To create a standalone version of the 9621/9622 rack-mount card, use the 9003-2 mini chassis.

# Technical Specifications

## 9621AY, 9622AY



### Option modules

Number of free channels

9621AY	4x duplex
9622AY	8x duplex
A Module	1x audio
B Module	1x user-configurable data
C Module	(RS-232, RS-422, RS-485) 1 x contact closure
D or E Module	2x audio (simplex only)
GM or GR Module	2x intercom audio

For more information on Option Modules, refer to the Option Modules data sheet or contact TKH Security Solutions.

### Management

LED status indicators

9621AY	Power, sync, not sync, loop
9622AY	Power, sync, not sync, loop
Management system	9900 Network Management System (NMS)

### Power requirements

9621AY

Voltage	6VDC (chassis)
Current	400-800mA*

9622AY

Voltage	6VDC (chassis)
Current	800-1000mA*

\* Current depends on the number and type of option modules installed.

### Environmental

Operating temperature	-40°C to +74°C (-40°F to +165°F)
Storage temperature	-55°C to +85°C (-67°F to +185°F)
Relative humidity	<95% with no condensation

# Technical Specifications

## 9621AY, 9622AY

### Mechanical

#### 9621AY

Housing	1-slot card, 9000 series chassis
Dimensions (h x w x d)	154.9 x 20.3 x 218.4 mm (6.1 x 0.8 x 8.6in)
Weight	227g (8.0oz)

#### 9622AY

Housing	2-slot card, 9000 series chassis
Dimensions (h x w x d)	154.9 x 40.6 x 218.4mm (6.1 x 1.6 x 8.6in)
Weight	363g (12.8oz)

### Optical

	9621AY-MM/9622AY-MM TX/RX	9621AY-SM/9622AY-SM TX/RX
Fiber type	MM (62.5)	SM (09)
Output wavelength	850nm/1310nm	1310nm/1550nm
Output power	-16dBm <sup>1</sup> /-17dBm <sup>1</sup>	-7dBm/-7dBm
Input sensitivity	-31dBm/-31dBm	<-27dBm/<-24dBm
System link budget	15dB/14dB	25dB
Fiber length (range) <sup>2</sup>	4km	62km
Connector type	ST (others optional)	ST (others optional)

<sup>1</sup>For 50/125µm fiber, subtract 4dB.

<sup>2</sup>Range may be limited by modal and chromatic dispersion, fibre quality, and fiber bandwidth.

### Ordering information

Models	Description	Fiber type
9621AY(XXXX)/MM-08T-ST	4-channel option module host card, A-side	1xMM
9621AY(XXXX)/MM-13T-ST	4-channel option module host card, B-side	1xMM
9621AY(XXXX)/SM-13T-ST	4-channel option module host card, A-side	1xSM
9621AY(XXXX)/SM-15T-ST	4-channel option module host card, B-side	1xSM
9622AY(XXXXXXXX)/MM-08T-ST	8-channel option module host card, A-side	1xMM
9622AY(XXXXXXXX)/MM-13T-ST	8-channel option module host card, B-side	1xMM
9622AY(XXXXXXXX)/SM-13T-ST	8-channel option module host card, A-side	1xSM
9622AY(XXXXXXXX)/SM-15T-ST	8-channel option module host card, B-side	1xSM

Replace (XX) in model number with code letters for desired Option Modules. For more information on Option Modules, refer to the Option Modules data sheet or contact TKH Security Solutions.



The quality management system utilized in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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