

Features

- Drop/insert data communications systems
- Fault-tolerant ring operation
- 2 user-configurable data ports
- 1- and 2-fiber versions
- Data retiming for unlimited repeating
- Unique data tagging feature
- Standalone and rack-mount versions
- Network Management System (NMS) compatible



9522A Series

Dual port drop and insert data modems

Description

These Optelecom® drop and insert data modems support special features that make them extremely adaptable for many types of systems. Two fully independent, user-configurable data ports on each modem support the operation of two devices on the same logical data link. In addition, the data tagging feature prevents masters from receiving data from other masters, local units from receiving data from other local units, and makes dual master systems possible. It also solves compatibility problems with software. These units are optically compatible with the 4132B and 4185A mini and the 9521AY and 9525AY drop and insert modems. They are available in multi-mode and single-mode optical versions.

Two fully independent, user-programmable data ports supporting RS-232, RS-422, or RS-485 operation at up to 115.2kb/s.

The wide operating temperature range of these units makes the 9522A series well-suited for environmentally harsh applications such as traffic monitoring, video surveillance in city centers, and federal and critical infrastructures.

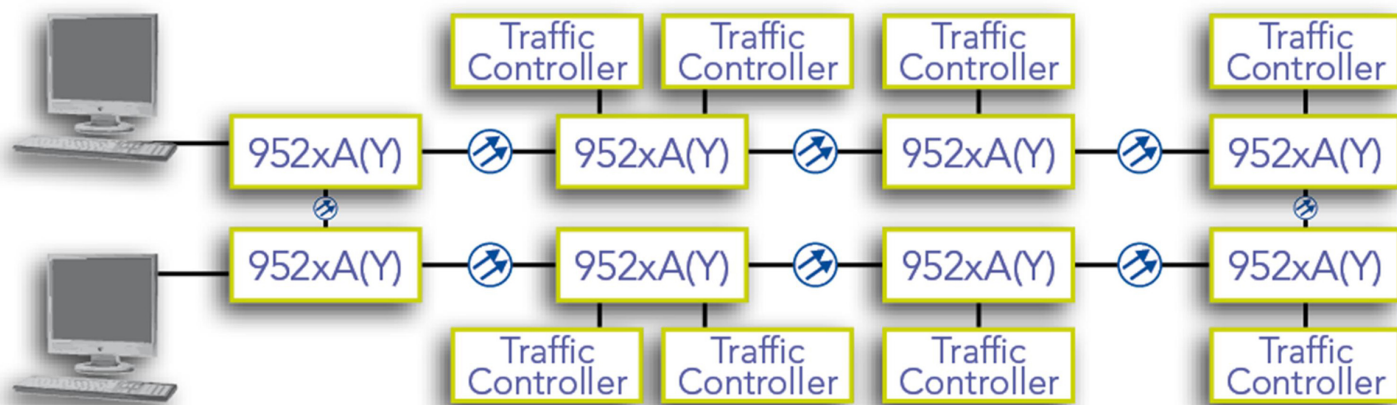
The 9522A series comes as a rack-mount version, suitable for a 9002 or 9008 power supply cabinet, or as a standalone unit. The 9522A series modules are managed with the Optelecom® Network Management System (NMS).

To create a standalone version of the 9522A rack-mount card, use the 9003-2 mini chassis.



Technical Specifications

9522A Series



Data interfaces

Primary data port

Type	User-configurable RS-232, RS-422 or RS-485 2- or 4-wire
Data rates	150, 300, 600, 1.2k, 2.4k, 3.6k, 4.8k, 7.2k, 9.6k, 14.4k, 19.2k, 28.8 k, 38.4k, 57.6k, 115.2k auto baud

Baud

Retiming accuracy	0.01% of pulse width
Connector	DE25S (D type female, 9-pin)

Secondary data port

Identical to the primary port (buffered)

Management

LED status indicators

9522A	Power, BERT, Fault-Pri, Fault-Sec, TX1/TD, RX1/RD, TX2/CTS, RX2/TDE, PR1/RDE, PR2/CTSE
9522AY	Power, BERT, Fault-Pri, Fault-Sec, TX1/TD, RX1/RD, TX2/CTS, RX2/TDE, PR1/RDE, PR2/CTSE

Power requirements

9522A	
Voltage	6VDC (chassis)
Current	300mA
9522AY	
Voltage	6VDC (chassis)
Current	300mA
9526A	
Voltage	8-15VDC
Current	360mA at 12VDC
9526AY	
Voltage	8-15VDC
Current	360mA at 12VDC

Technical Specifications

9522A Series

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

Mechanical

9526A	
Housing	Standalone chassis
Dimensions (h x w x d)	48.3 x 152.4 x 218.4mm (1.9 x 6.0 x 8.6in)
Weight	907.2g (32.0oz)
9526AY	
Housing	Standalone chassis
Dimensions (h x w x d)	48.3 x 152.4 x 218.4mm (1.9 x 6.0 x 8.6in)
Weight	907.2g (32.0oz)
9522A	
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	680.4g (24.0oz)
9522AY	
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	680.4g (24.0oz)

Optical

	9522A-S	9522A-LD	9522AY-SM TX/RX
Fiber type	MM (62.5)	SM (09)	SM (09)
Output wavelength	850nm	1310nm	850nm/1310nm
Output power	-19dBm	-18dBm	-23dBm/-21dBm
Input sensitivity	-41dBm	-41dBm	-37dBm/-35dBm
System link budget	22dB ¹	23dB	20dB/20dB
Fiber length (range) ²	6km	57km	48km
Connector type	ST (others optional)	ST (others optional)	ST (others optional)

¹For 50/125µm fiber, subtract 4dB.

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

Ordering information

Models	Description	Fiber type
9522A-S-ST	Drop and insert data modem	2xMM
9522A-LD-ST	Drop and insert data modem	2xSM
9522AY-SM-ST	Drop and insert data modem	1xSM
9526A	Standalone version of the 9522A models	



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

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