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Data Sheet

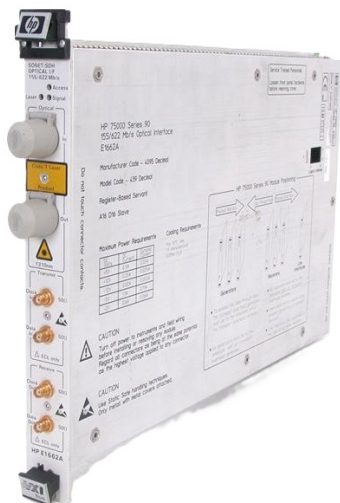
August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1662A

HP Agilent E1662A 155/622 Mb/s SONET/SDH Optical Line Interface The Agilent E1662A isaC-size VXI SONET/SDH optical line interface covering 155/622 Mb/s for Broadband Series Test System and 75000 Series 90 platforms. OEM listings describe a 1-slot C-size module with PC optical interface using 81000xl interchangeable connectors. STS-3/STM-1 and STS-12/STM-4 optical physical-layer access in Series 90 / BSTS SONET analyzers. PC optical interface with 81000xl connector family The Agilent E1662A isaC-size VXI SONET/SDH optical line interface covering 155/622 Mb/s for Broadband Series Test System and 75000 Series 90 platforms.

OEM listings describe a 1-slot C-size module with PC optical interface using 81000xl interchangeable connectors. STS-3/STM-1 and STS-12/STM-4 optical physical-layer access in Series 90 / BSTS SONET analyzers. PC optical interface with 81000xl connector family Interchangeable optical connector adapters



MODEL

**Agilent / Keysight
E1662A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1662A

LISTING

<https://aumictechlabs.com/products/e1662a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1662A is a C-size VXI optical interface module engineered for SONET/SDH (Synchronous Optical Networking/Synchronous Digital Hierarchy) testing at 155.622 Mb/s. This module integrates into standard VXI instrumentation chassis to enable characterization and testing of optical line interfaces in telecommunications and networking environments. The E1662A operates as a discrete measurement component within larger VXI-based test systems, pairing

with external optical connectors and complementary modules for complete protocol validation. Technical Specifications Data Rate: 155.622 Mb/s Module Type: C-size VXI Module Interface Standard: Optical Line Interface Protocol Support: SONET/SDH Power & Signal Interfacing: VXI instrumentation standards Key Features Dedicated optical interface module for high-speed synchronous optical networks Modular form factor enables flexible system configuration within VXI chassis Compliance with SONET/SDH protocols for standards-based testing Optical connector architecture supports Agilent 81000xl Series connectors (sold separately) Typical Applications Optical line interface characterization and validation SONET/SDH telecommunications equipment testing High-speed optical network performance analysis Integrated test systems for carrier-class optical transmission Compatibility & Integration The E1662A requires installation in a compatible VXI chassis and integration with Agilent 81000xl Series optical interface connectors, available as separate components. The module operates alongside other VXI instruments including analyzers and controllers to form complete test solutions. Status: Discontinued by Keysight; legacy support may be available through authorized service channels.

E1662A Characteristics / Specifications

PARAMETER	VALUE
Model	E1662A
Instrument Type	SONET/SDH optical line interface
Rates	155.52 Mb/s and 622.08 Mb/s
Sonet Mapping	STS-3/STS-12 class
Sdh Mapping	STM-1/STM-4 class
Card Format	1 slot C-size VXI
Optical Interface Polish	PC
Connector Family	81000xl series interchangeable
Partner Platform	HP 75000 Series 90 and BSTS
Manufacturer	HP Agilent Keysight
Use Case	155/622 optical SONET/SDH access
Related 622 Dedicated	E1618A OC-12c ATM LIF
Related 155 Dedicated	E1697A 155 Mb/s optical LIF
Related Analyzer	E1676B 51 to 2488 Mb/s SONET/SDH analyzer
Wavelength Class	1310 nm class Series 90 optical LIFs
Form Factor	C-size VXI
System Role	dual-rate optical LIF
Standards Family	SONET/SDH
Remote Control	Series 90 / BSTS controller
Slot Count	1
Rate Low	155.52 Mb/s
Rate High	622.08 Mb/s
Interface Medium	optical fiber
Adapter Sold Separate	81000xl optical connectors

E1662A Specifications

PARAMETER	VALUE
Applications	STS-3/STM-1 and STS-12/STM-4 optical physical-layer access in Series 90 / BSTS SONET analyzers.
Key Features	155 and 622 Mb/s SONET/SDH optical rates
PC optical interface with 81000xl connector family	Series 90 and BSTS compatible
Technical Specifications	Model: E1662A

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Model	E1662A
Instrument Type	SONET/SDH optical line interface
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Sdh Mapping	STM-1/STM-4 class
Card Format	1 slot C-size VXI
Optical Interface Polish	PC
Connector Family	81000xI series interchangeable
Partner Platform	HP 75000 Series 90 and BSTS
Manufacturer	HP Agilent Keysight
Use Case	155/622 optical SONET/SDH access
Related 622 Dedicated	E1618A OC-12c ATM LIF
Related 155 Dedicated	E1697A 155 Mb/s optical LIF
Related Analyzer	E1676B 51 to 2488 Mb/s SONET/SDH analyzer
Wavelength Class	1310 nm class Series 90 optical LIFs
Form Factor	C-size VXI
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Adapter Sold Separate	81000xI optical connectors

Notes

From Agilent E1662A 155/622 Mb/s SONET/SDH Optical Line Interface listings (1-slot C-size VXI, PC optics, 81000xI connectors, Series 90/BSTS). Optical power meters on the faceplate/calibration certificate.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.