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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1675A

HP Agilent E1675A SONET/SDH STS-48/STM-16 Transport Overhead Analyzer The Agilent E1675A isaSONET/SDH STS-48/STM-16 transport overhead analyzer VXI module. OEM listings specify 2.4 Gb/s electrical SMA connectors at 50 ohm plus BNC and SMA transmit and receive connectors at 50 ohm. STS-48/STM-16 electrical overhead analysis in 75000 Series 90 / BSTS configurations, including units without an optical interface installed. 2.488 Gb/s STS-48/STM-16 electrical access The Agilent E1675A isaSONET/SDH STS-48/STM-16 transport overhead analyzer VXI module. OEM listings specify 2.4 Gb/s electrical SMA connectors at 50 ohm plus BNC and SMA transmit and receive connectors at 50 ohm. STS-48/STM-16 electrical overhead analysis in 75000 Series 90 / BSTS configurations, including units without an optical interface installed. 2.488 Gb/s STS-48/STM-16 electrical access BNC and SMA transmit and receive at 50 ohm



MODEL

**Agilent / Keysight
E1675A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1675A

LISTING

<https://aumictechlabs.com/products/e1675a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1675A is a SONET/SDH transport overhead analysis module engineered for STS-48/STM-16 signal characterization at 2.4 Gb/s. This plug-in module integrates into Agilent 16700-series logic analysis mainframes and delivers dual electrical interfaces for both transmit and receive operations. The unit operates independently or within a complete test system for protocol-level overhead analysis and transport layer diagnostics. Technical Specifications Data

rate: 2.4 Gb/s Electrical connectors: SMA (50 Ω) for transmit and receive Alternate connectors: BNC and SMA for transmit and receive Module type: SONET/SDH transport overhead analyzer Operating temperature: 0 °C to 55 °C (instrument); 0 °C to 65 °C (probe leads and cables) Relative humidity: Up to 95% at +40 °C, non-condensing Operating altitude: Up to 4600 m (15,000 ft) Pollution degree: 2 (normally dry, non-conductive) Environment: Indoor use only Shipping weight: 15 lbs

Key Features Dual SMA connectors rated at 50 Ω impedance ensure signal integrity across the 2.4 Gb/s operational bandwidth Multiple connector options (BNC and SMA) provide flexible integration with existing test infrastructures Transport overhead analysis capabilities enable detailed SONET/SDH frame inspection and error diagnosis Compatible with 16700-series mainframe ecosystems; operating system version A.02.00.00 or higher required

Typical Applications SONET/SDH equipment validation and compliance testing Transport overhead protocol analysis at STS-48/STM-16 rates Integrated testing within 16700-series logic analysis platforms

Compatibility & Integration The E1675A requires mainframe integration with Agilent 16700-series logic analysis systems (OS A.02.00.00 minimum). Optional software control interfaces require Windows 7 SP1 through Windows 11 (64-bit preferred), Intel Core i5-class processor, 8 GB RAM minimum, and Keysight IO Libraries Suite 2024.1 or later. The optical interface may not be factory-installed on used units.

E1675A Characteristics / Specifications

PARAMETER	VALUE
Model	E1675A
Instrument Type	SONET/SDH STS-48/STM-16 transport overhead analyzer
Line Rate	2.488 Gb/s
Electrical Connectors High Speed	SMA 50 ohm at 2.4 Gb/s
Transmit Connectors	BNC and SMA 50 ohm
Receive Connectors	BNC and SMA 50 ohm
Mapping	STS-48 / STM-16
Card Format	C-size VXI
Partner Platform	HP 75000 Series 90
Partner Analyzer	E1676B multi-rate 51 to 2488 Mb/s
Related Toh Receiver	E1673A
Manufacturer	HP Agilent Keysight
Use Case	2.4 Gb/s electrical TOH analysis
Impedance	50 ohm
Form Factor	C-size VXI module
Standards Family	SONET/SDH
Remote Control	Series 90 / BSTS controller
System Role	STS-48/STM-16 TOH analyzer
Rate Sts12 Sibling	622.08 Mb/s on related LIFs
Rate Sts3 Sibling	155.52 Mb/s on related LIFs
Rate Sts1 Sibling	51.84 Mb/s on related LIFs
Optical Interface	not required; electrical SMA/BNC as listed
Slot Family	Series 90 VXI

E1675A Specifications

PARAMETER	VALUE
Key Features	2.488 Gb/s STS-48/STM-16 electrical access
Transport overhead analyzer role	C-size VXI Series 90 module
Technical Specifications	Model: E1675A

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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Notes	
From Agilent/HP E1675A SONET/SDH STS-48/STM-16 module listings (2.4 Gb/s SMA 50 ohm, BNC/SMA Tx and Rx 50 ohm). Optical-interface options are configuration-dependent.	

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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NIST-traceable calibration · SAM registered ·
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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.