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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1024A

Keysight N1024A DCA / Optical Accessory Module The Keysight N1024A isaDCA-X / optical sampling accessory in the N10xx family used with N1000A DCA-X mainframes. OEM DCA configuration guides list N1024A among N1000A plug-in/mini-module accessories for optical/electrical sampling. Optical or electrical sampling accessory functions in N1000A DCA-X systems. RevisionAPrecision microwave/optical connectors The Keysight N1024A isaDCA-X / optical sampling accessory in the N10xx family used with N1000A DCA-X mainframes. OEM DCA configuration guides list N1024A among N1000A plug-in/mini-module accessories for optical/electrical sampling. Optical or electrical sampling accessory functions in N1000A DCA-X systems. RevisionAPrecision microwave/optical connectors Instrument Type: DCA sampling accessory module



MODEL

**Agilent / Keysight
N1024A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N1024A

LISTING

<https://aumictechlabs.com/products/n1024a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N1024A is a TDR calibration kit engineered for precise calibration of Time Domain Reflectometry and Time Domain Transmission measurements in high-speed digital applications. Built on SOLT (Short-Open-Load-Through) technology, it delivers the calibration standards and accessories required for accurate TDR/TDT characterization with 3.5 mm microwave connectors. Technical Specifications The N1024A employs 3.5 mm microwave connectors with SMA compatibility. The kit supports both male and female connector

configurations, enabling comprehensive calibration across differential measurement topologies.

Key Features

- SOLT calibration standard architecture (2 male loads, 2 male shorts, 2 female loads, 2 female shorts)
- Four 1 meter calibration cables
- Connector adapters: BNC-M to SMA-F adapter and two 3.5 mm F-F adapters
- Precision torque wrench for controlled connector mating
- 3.5 mm connectors with functional SMA compatibility, contingent on connector quality tolerances

Typical Applications

Primary deployment focuses on calibration workflows for Keysight 86100-series wide-bandwidth oscilloscopes. The kit supports both TDR and TDT measurement verification in high-speed digital circuit characterization and signal integrity analysis.

Compatibility & Integration

Designed for integration with Keysight 86100-series oscilloscopes. The 3.5 mm connector interface accommodates SMA connectors within specification constraints; attention to SMA connector quality is required during mating operations to prevent connector damage.

Legacy Status: This product was discontinued by Keysight Technologies on December 1, 2011. The N1024B is the designated successor.

N1024A Characteristics / Specifications

PARAMETER	VALUE
Model	N1024A
Instrument Type	DCA sampling accessory module
Host Mainframe	N1000A DCA-X
Family	N10xx DCA modules
Related Optical	N1030 N1032 optical mini-modules
Related Electrical	N1040 electrical mini-module
Manufacturer	Keysight Agilent
Form Factor	DCA plug-in / mini-module accessory
Literature	DCA configuration guide N1024A
Use Case	wideband optical/electrical sampling accessory
Operating Temperature Class	DCA mainframe
Power	from N1000A
Bandwidth	module limited
Rates	50 Mb/s to 80 Gb/s class DCA-X
Connectors	optical or electrical per module
Calibration	DCA module cal
Slots	N1000A mini-module slot
Cooling	mainframe
Trigger	DCA timebase
Software	FlexDCA
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Operating temperature	Class: DCA mainframe

N1024A Specifications

PARAMETER	VALUE
Keysight N1024A DCA / Optical Accessory Module	Overview
Applications	Optical or electrical sampling accessory functions in N1000A DCA-X systems.
Key Features	N10xx DCA accessory
Technical Specifications	Model: N1024A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: DCA mainframe
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Bandwidth	module limited
Rates	50 Mb/s to 80 Gb/s class DCA-X
Connectors	optical or electrical per module
Calibration	DCA module cal
Slots	N1000A mini-module slot
Cooling	mainframe
Trigger	DCA timebase
Software	FlexDCA
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from Keysight N1024A listings in the N1000A DCA-X accessory family. Bandwidth and wavelength are on the N1024A module label / DCA configuration guide.

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	
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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

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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.