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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight J6801A

Agilent J6801A Distributed Network Analyzer Hardware The Agilent J6801A is the Network Analyzer acquisition hardware in the J6800A Distributed Network Analyzer family. OEM Advisor/J6800 literature lists J6801A for 10/100 Ethernet protocol capture and distributed multi-segment analysis with J6800A software, alongside J2300-class WAN Advisor undercradles. It provides hardware timestamped capture for troubleshooting switched LAN segments. Distributed 10/100 Ethernet protocol analysis and multi-probe LAN troubleshooting. The Agilent J6801A is the Network Analyzer acquisition hardware in the J6800A Distributed Network Analyzer family. OEM Advisor/J6800 literature lists J6801A for 10/100 Ethernet protocol capture and distributed multi-segment analysis with J6800A software, alongside J2300-class WAN Advisor undercradles. It provides hardware timestamped capture for troubleshooting switched LAN segments. Distributed 10/100 Ethernet protocol analysis and multi-probe LAN troubleshooting. J6800A Distributed Network Analyzer family



MODEL

**Agilent / Keysight
J6801A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

J6801A

LISTING

<https://aumictechlabs.com/products/j6801a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight J6801A is a Distributed Network Analyzer (DNA) module that is a data acquisition system for LAN and WAN network testing and characterization. It operates with its own real-time operating system and connects via TCP/IP/Ethernet to a PC or server controller. The J6801A supports any plug-in Line Interface Module (LIM) and can be daisy-chained with

other J6801A units for distributed measurement campaigns. An external GPS receiver interface enables global time synchronization, while Agilent Control & Sync technology coordinates timing with adjacent J6800A, J6801A, or J6802B units.

Technical Specifications

Product Type: Distributed Network Analyzer (DNA)

Manufacturer: Agilent / Keysight / HP

Model: J6801A

Architecture: One data acquisition system per module; supports any LAN or WAN plug-in

Line Interface Module (LIM)

Operating System: Real-time OS

Control Interface: TCP/IP/Ethernet connection; requires PC/Server controller

Synchronization: External GPS receiver interface; Agilent Control & Sync technology for time alignment with J6800A, J6801A, or J6802B units

Physical Form Factor: Laptop-sized footprint; ultra-lightweight design

Power Supply: Built-in; low power consumption

Software: Network Analyzer Software (supplied on CD with one license key)

Key Features

- Daisy-chain capability for multi-unit deployments
- Global time synchronization via GPS interface
- Compact, low-power distributed architecture
- Real-time data acquisition and analysis
- Control from standard PC, J6800A Network Analyzer, J6802B Distributed Network Analyzer MX, or Advisor E series system

Compatibility & Integration

Line Interface Modules sold separately

Compatible with J6800A and J6802B for control and synchronization

Integrates with existing Agilent/Keysight network analyzer infrastructure

Additional software licenses required for multiple remote clients

J6801A Characteristics / Specifications

PARAMETER	VALUE
Model	J6801A
Instrument Type	Distributed network analyzer hardware
Family	Agilent J6800A Distributed Network Analyzer
Network Class	10/100 Ethernet
Related Software	J6800A analyzer application
Related Wan	J2301B / J2303A Advisor WAN family
Related Analyzer	J6800A main distributed analyzer
Form Factor	network analyzer acquisition unit
Manufacturer	Agilent Keysight HP
Use Case	switched LAN protocol analysis
Capture	hardware timestamped Ethernet frames
Control	J6800 distributed analyzer software
Operating Temperature Class	portable/rack Advisor class
Literature	Agilent J6801A / J6800A Distributed Network Analyzer listings
Ports	10/100 Ethernet analysis ports class
Decode	Ethernet/IP protocol stacks in J6800 software
Deployment	distributed probes on multiple segments
Time Sync	distributed analyzer time correlation class
Documentation Type	OEM Advisor/J6800 catalog
Brand Lineage	HP Agilent Keysight Network Advisor
Calibration Source	OEM published specifications
System Role	LAN acquisition hardware
Operating temperature	Class: portable/rack Advisor class

J6801A Specifications

PARAMETER	VALUE
Agilent J6801A Distributed Network Analyzer Hardware	Overview
Applications	Distributed 10/100 Ethernet protocol analysis and multi-probe LAN troubleshooting.
Key Features	J6800A Distributed Network Analyzer family
Technical Specifications	Model: J6801A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: portable/rack Advisor class
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Literature	Agilent J6801A / J6800A Distributed Network Analyzer listings
Ports	10/100 Ethernet analysis ports class
Decode	Ethernet/IP protocol stacks in J6800 software
Deployment	distributed probes on multiple segments
Time Sync	distributed analyzer time correlation class
Documentation Type	OEM Advisor/J6800 catalog
Brand Lineage	HP Agilent Keysight Network Advisor
Calibration Source	OEM published specifications
System Role	LAN acquisition hardware Notes From Agilent J6801A Distributed Network Analyzer hardware listings in the J6800A family. Buffer depth, filter rate, and full-duplex tap configuration are on the J6801A/J6800A data sheet.

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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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.