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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2620A

Agilent N2620A FrameScope Pro Network Performance Analyzer The Agilent N2620A FrameScope Pro is a handheld Gigabit Ethernet network performance analyzer. OEM N2620A user's manual lists 9.256 × 4.944 × 2.959 inch HWD, removable rechargeable Li-Ion battery, CardBus slot, wiremap (shorts opens reversed transposed split pairs shield), length to 1100 ft (335 m), web remote control, and optional auxiliary Ethernet port. Troubleshooting and performance analysis of Gigabit Ethernet networks and cabling. Instrument Type: Network performance analyzer The Agilent N2620A FrameScope Pro is a handheld Gigabit Ethernet network performance analyzer. OEM N2620A user's manual lists 9.256 × 4.944 × 2.959 inch HWD, removable rechargeable Li-Ion battery, CardBus slot, wiremap (shorts opens reversed transposed split pairs shield), length to 1100 ft (335 m), web remote control, and optional auxiliary Ethernet port. Troubleshooting and performance analysis of Gigabit Ethernet networks and cabling. Instrument Type: Network performance analyzer Wiremap Faults: short open reversed transposed split pairs shield continuity

**MODEL****Agilent / Keysight
N2620A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N2620A****LISTING**<https://aumictechlabs.com/products/n2620a-2/>

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NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N2620A FrameScope Pro is a handheld network performance analyzer for deploying, troubleshooting, and maintaining Ethernet networks up to 1 Gbit/s. It delivers

comprehensive Layer 2 and Layer 3 testing across copper and fiber interfaces, making it essential for metro network environments and triple-play service validation. The instrument combines traffic generation, performance benchmarking, and quality-of-service measurement in a portable form factor designed for field technicians and network engineers.

Technical Specifications

Network Interfaces Copper: 10/100/1000BASE-T RJ45 (full and half duplex) Fiber: SFP supporting 1000BASE-SX, -LX, and -ZX Gigabit Ethernet Optional: USB-powered media converter for 100BASE-FX Optional: Wiremap test port or auxiliary 10/100 Mbit/s Ethernet port

Throughput & Traffic RFC 2544 performance verification at full line rate up to 1 Gbit/s on copper and fiber

Configurable frame generation with CRC error injection, short frame, long frame modes

Multi-host simulation capability Jumbo frame generation up to 16,000 Bytes

Packet error rate testing (PERT) for unidirectional and bidirectional operation exceeding 24 hours

Layer 2/3 Measurements IP and MAC loopback for roundtrip delay measurement Automatic network discovery with IP, IPX device detection across subnets VLAN support

Key Features

VoIP Testing Supports SIP (RFC 3261) with optional STUN, H.248/Megaco signaling, and live or pre-recorded speech quality assessment. Codecs include ITU-T G.711 (A-law and μ -law), G.729A/B, G.723.1, G.721, and G.726.

DSL Validation ADSL/ADSL2+ physical layer testing plus VDSL measurement with external DSL golden modem. Autotest Automated performance testing isolates protocol, configuration, and performance issues quickly.

IPTV Service Quality Dedicated testing support for IPTV deployments.

Protocol Support IP, IPX, NetBIOS, PPPoE, RTSP (RFC 2326), IGMP v2 (RFC 2236), IGMP v3 (RFC 3376), ITU-T G.994.1, G.992.1, G.992.3, G.992.5.

Typical Applications

Ethernet deployment verification, network troubleshooting, voice/video/data service validation, DSL line testing, and QoS performance measurement.

N2620A Characteristics / Specifications

PARAMETER	VALUE
Model	N2620A
Instrument Type	Network performance analyzer
Product Name	FrameScope Pro
Height	9.256 in
Width	4.944 in
Depth	2.959 in
Battery	removable rechargeable Li-Ion
Expansion	CardBus slot
Wiremap Faults	short open reversed transposed split pairs shield continuity
Length Range	up to 1100 ft (335 m)
Nvp	cable-type database or learned NVP
Remote Control	web interface
Auxiliary Port	optional auxiliary Ethernet port
Touchscreen	calibratable touch screen
Network Settings	IP or PPPoE
Manufacturer	HP Agilent Keysight
Mechanical Package	handheld
Application Class	Gigabit Ethernet troubleshooting
Documentation	Agilent N2620A FrameScope Pro User Manual version 1.1
Indoor Use	intended for indoor use not weatherized
User Interface	touchscreen plus keys
Storage Setup	shows total capacity and percent used
Time Date	settable clock
Boot Password	optional unauthorized-use protection

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.

Performance Analyzer

Overview

The Agilent N2620A FrameScope Pro is a handheld Gigabit Ethernet network performance analyzer. OEM N2620A user's manual lists 9.256 x 4.944 x 2.959 inch HWD, removable rechargeable Li-Ion battery, CardBus slot, wiremap (shorts opens reversed transposed split pairs shield), length to 1100 ft (335 m), web remote control, and optional auxiliary Ethernet port.

Applications

Troubleshooting and performance analysis of Gigabit Ethernet networks and cabling.

Key Features

Handheld FrameScope Pro
Wiremap length delay skew
Li-Ion removable battery
CardBus expansion
Web remote control

Technical Specifications

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Notes

From Agilent N2620A FrameScope Pro User's Manual (physical, battery, CardBus, wiremap, 1100 ft length, web remote). Swept-frequency cabling limits follow the selected test standard in firmware.

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