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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight N5192A UXG X-Series Vector Adapter, Modified Version, 50 MHz to 20 GHz

Required Companion: N5191A UXG with SS3 and CC1 minimum LO Source: N5191A provides 6 GHz reference and LO Operating Temperature For Specs: 0 C to 50 C after 1 hour warm-up (sheet definitions) Export Note: N5194A requires a US export license; N5192A is the modified version LO Source: N5191A provides 6 GHz reference and LO Operating Temperature For Specs: 0 C to 50 C after 1 hour warm-up (sheet definitions) Export Note: N5194A requires a US export license; N5192A is the modified version Remote Interface: LAN USB SCPI plus LVDS via N5191A CC1



MODEL

**Agilent / Keysight
N5192A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5192A

LISTING

<https://aumictechlabs.com/products/n5192a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N5192A UXG X-Series Vector Adapter is a modified-version vector signal generator engineered to extend the capabilities of UXG agile signal generators across 50 MHz to 20 GHz. This adapter delivers vector signal generation and analysis for complex threat simulation, radar testing, and electronic warfare applications without requiring U.S. export licensing. The N5192A generates sophisticated waveforms including complex pulses with variable rise/fall times, arbitrary modulation, non-linear chirps, and communication signals through its digital IQ baseband architecture. Technical Specifications Frequency Performance Operating Range: 50 MHz to 20

GHz Tunable Down To: 10 MHz External Reference: 10 MHz input, ± 1.0 ppm lock range Reference Output: 10 MHz or 100 MHz user-selectable Baseband Generator Sample Rate: 250 MSa/s Baseband Bandwidth: 200 MHz Waveform Memory: 512 MSa per channel Non-Volatile Storage: 512 Gbyte on removable SSD drive Signal Parameters Amplitude Range: 120 dB agile Update Rate: < 500 ns typical Streaming Mode: Phase and amplitude settling time measured from end of leading pulse to settled state in following pulse Connectors and Interfaces RF Output: 3.5 mm (m) with included 3.5 mm (f) to 3.5 mm (f) adapter Trigger/Control: SMA and SMB connectors Signal Paths: 6 GHz in/out, LO In, IF Ref In/Out, IF In/Out, PRCN Marker Out Synchronization: System Sync In/Out, External 10 MHz Reference Input Environmental Operating Temperature: 0 to 50°C Key Features Vector signal generation with IQ baseband system Complex pulse simulation with arbitrary intra-pulse modulation 512 Gbyte waveform library on removable SSD Tunable to 10 MHz minimum frequency Export-license-free operation Supports external reference synchronization Typical Applications Radar system testing and validation Electronic warfare (EW) threat simulation Wireless communication signal generation Complex signal environment modeling Compatibility & Integration Requires N5191A UXG agile signal generator with options CC1 and SS3. Software option N5192ST1A available. Perpetual licensing supported through Keysight License Manager with optional support subscriptions.

N5192A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	UXG agile vector adapter modified version
Series Family	Keysight N5194A/N5192A UXG vector adapter
Specified Frequency Range Option 52E	50 MHz to 20 GHz
Tunable Frequency Range Option 52E	10 MHz to 20 GHz
CW Frequency Resolution	0.001 Hz
Phase Offset	adjustable in 0.1 degree increments
Frequency Accuracy	equivalent to the external frequency reference in use
External 6 GHz Reference Amplitude Nominal	plus 5 to plus 15 dBm
External 6 GHz Reference Impedance Nominal	50 ohm
N5192A Streaming Update Rate External LO Narrowband Nominal	101 us
N5192A Streaming Update Rate External LO Wideband Nominal	101 us
LAN USB Control Add	900 us nominal from receipt of SCPI
Max Specified Power Option 52E 10 MHz to 14 GHz External LO	plus 3 dBm
Max Specified Power Option 52E 18 to 20 GHz External LO	plus 1 dBm
Max Available Power Option 52E 2.5 to 4 GHz External LO Typical	plus 8 dBm
Amplitude Settling Criteria 50 MHz to 40 GHz	within 1 dB of final amplitude
Phase Settling 10 MHz to 2.85 GHz	within 0.1 radians of final phase
Phase Settling 2.85 to 8.64 GHz	within 0.2 radians of final phase
Required Companion	N5191A UXG with SS3 and CC1 minimum
LO Source	N5191A provides 6 GHz reference and LO
Output Impedance	50 ohm nominal

PARAMETER	VALUE
Operating Temperature For Specs	0 C to 50 C after 1 hour warm-up (sheet definitions)
Export Note	N5194A requires a US export license; N5192A is the modified version
Remote Interface	LAN USB SCPI plus LVDS via N5191A CC1
Documentation Source	N5194A and N5192A UXG Agile Vector Adapter data sheet 5992-2228EN
Operating temperature	For Specs: 0 C to 50 C after 1 hour warm-up (sheet definitions)

N5192A Specifications

PARAMETER	VALUE
Applications	Export-modified vector EW/radar scenario generation when paired with N5191A, and wideband I/Q upconversion using the UXG LO/reference.
Key Features	Modified vector adapter counterpart to N5194A
Technical Specifications	Instrument Type: UXG agile vector adapter modified version

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Documentation Source	N5194A and N5192A UXG Agile Vector Adapter data sheet 5992-2228EN Notes Numeric rows from Keysight N5194A and N5192A UXG Agile Vector Adapter data sheet 5992-2228EN N5192A Option 52E columns. N5192A does not have specified phase repeatability.

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
Instrument Type	UXG agile vector adapter modified version
Series Family	Keysight N5194A/N5192A UXG vector adapter
Specified Frequency Range Option 52E	50 MHz to 20 GHz
Tunable Frequency Range Option 52E	10 MHz to 20 GHz
CW Frequency Resolution	0.001 Hz
Phase Offset	adjustable in 0.1 degree increments
Frequency Accuracy	equivalent to the external frequency reference in use
External 6 GHz Reference Amplitude Nominal	plus 5 to plus 15 dBm
External 6 GHz Reference Impedance Nominal	50 ohm
N5192A Streaming Update Rate External LO Narrowband Nominal: 101 us N5192A Streaming Update Rate External LO Wideband Nominal: 101 us LAN USB Control Add: 900 us nominal from receipt of SCPI Max Specified Power Option 52E 10 MHz to 14 GHz External LO: plus 3 dBm Max Specified Power Option 52E 18 to 20 GHz External LO: plus 1 dBm Max Available Power Option 52E 2.5 to 4 GHz External LO Typical: plus 8 dBm Amplitude Settling Criteria 50 MHz to 40 GHz: within 1 dB of final amplitude	
Specifications	
PARAMETER	VALUE
Phase Settling 10 MHz to 2.85 GHz	within 0.1 radians of final phase
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Notes

Numeric rows from Keysight N5194A and N5192A UXG Agile Vector Adapter data sheet 5992-2228EN N5192A Option 52E columns. N5192A does not have specified phase repeatability.

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 ·
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.