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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 8660A

HP Agilent 8660A Synthesized Signal Generator Mainframe The HP/Agilent 8660A isasynthesized signal generator mainframe whose RF coverage is determined by the installed RF plug-in section. OEM 8660-series literature describes the mainframe as providing synthesized frequency control, modulation, and HPIB programmability for modular RF plug-ins. General-purpose RF signal generation, modulation testing, and modular synthesized source benches. Modular RF plug-in mainframe architecture The HP/Agilent 8660A isasynthesized signal generator mainframe whose RF coverage is determined by the installed RF plug-in section. OEM 8660-series literature describes the mainframe as providing synthesized frequency control, modulation, and HPIB programmability for modular RF plug-ins. General-purpose RF signal generation, modulation testing, and modular synthesized source benches. Modular RF plug-in mainframe architecture Modulation capability via plug-in options

MODEL **Agilent / Keysight 8660A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **8660A**	LISTING **https://aumictechlabs.com/products/8660a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 8660A is a synthesized signal generator engineered for precision signal generation across multiple frequency bands. This discontinued instrument delivers drift-free frequency control with 1 Hz resolution and supports modulation in AM, FM, Phase, and Pulse modes depending on installed configuration. The 8660A accommodates plug-in modules to extend operational range and customize performance for diverse measurement requirements.

Technical Specifications Frequency Range Base instrument and modular architecture support operation from 10 kHz to 2600 MHz Plug-in modules define specific frequency bands: - 86601A: 10 kHz to 110 MHz - 86602B: 1 MHz to 1300 MHz - 86603A: 1 MHz to 2600 MHz Output Level Maximum output: +10 dBm to +13 dBm depending on module Minimum output: −136 dBm to −146 dBm 86603A delivers +7 dBm maximum at frequencies 1300 MHz and above Frequency Resolution 1 Hz resolution across most frequency bands 2 Hz resolution above 1300 MHz with certain modules Modulation Capability Supports AM, FM, Phase, and Pulse modulation modes per installed modulation section. Frequency Stability Optional precision reference provides ±3 × 10^{-9}/day oscillator stability. Key Features Synthesized tuning eliminates frequency drift HP-IB programmable interface for remote control Modular plug-in architecture for customized frequency coverage Sub-Hz frequency resolution enables precise tone generation Typical Applications Suitable for research, development, and test environments requiring stable multi-band signal sources with fine frequency control and flexible modulation options. Compatibility & Integration HP-IB (IEEE 488) programmable. Accepts 86601A, 86602B, and 86603A plug-in modules to configure frequency range and performance characteristics.

8660A Characteristics / Specifications

PARAMETER	VALUE
Model	8660A
Instrument Type	synthesized signal generator mainframe
Frequency Coverage	determined by installed RF plug-in
Architecture	modular mainframe plus RF section
Remote Interface	HPIB
Brand Lineage	HP / Agilent
Form Factor	benchtop mainframe
Family	HP 8660 synthesized signal generators
Output Path	via installed RF plug-in
Modulation Path	AM FM pulse class depending on plug-in/options
Reference	internal/external frequency reference class
Programming	HPIB SCPI-era HP command set class
Display	mainframe frequency/status display class
Operating Context	RF source for test benches
Power	mains powered mainframe
Accessory Ecosystem	HP 8660 series RF plug-ins
Calibration Note	frequency accuracy depends on reference and plug-inMainframe Model: 8660A
Plug In Dependency	RF coverage set by installed section
Modulation Types Class	AM FM pulse depending on options
Output Connector Class	via RF plug-in front panel
Reference Oscillator	internal or external reference classSeries Family: HP 8660 synthesized signal generators
Documentation Source	OEM datasheet model row

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 HP 8660A synthesized signal generator mainframe documentation. Exact frequency span, power, and spectral purity are plug-in dependent and belong on the installed RF section datasheet/certificate.

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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