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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8761A System DC Power Supply 300V 17A

Agilent Keysight N8761A System DC Power Supply 300 V 17 A 5100 W The Agilent/Keysight N8761A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 300 V, 17 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U.

Compact 2U 19 inch system DC supply package The Agilent/Keysight N8761A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 300 V, 17 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U. Compact 2U 19 inch system DC supply package LAN USB and GPIB interfaces standard LXI ClassCOvervoltage overcurrent and overtemperature protection with UVL window



MODEL

**Agilent / Keysight
N8761A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8761A

LISTING

[https://aumictechlabs.c
om/products/n8761a-3/](https://aumictechlabs.com/products/n8761a-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N8761A, formerly Agilent N8761A, is a single-output, 5100W DC power supply designed for demanding applications in automated test equipment (ATE) systems, research, and production environments. This power supply is characterized by its high power density, fitting within a compact 2U rack space, and offers solid performance with excellent programmability and

reliability. Its front-to-back airflow design simplifies integration into ATE racks without requiring additional space above or below the unit.

Technical Specifications

- * **DC Output Ratings:**
 - * Voltage: 300 V
 - * Current: 17 A
 - * Power: 5100 W
- * **Programming Accuracy:**
 - * Voltage: $0.025\% + 225 \text{ mV}$
 - * Current: $0.1\% + 51 \text{ mA}$
- * **Output Ripple and Noise:**
 - * CV p-p: 300 mV
 - * CV rms: 60 mV
- * **AC Input:**
 - * Flexible AC input options are available, including 208V 3-phase and 190-240V 3-phase options for the USA.
 - * The AC input voltage hardware is permanently installed at the factory and cannot be changed after delivery.

Electrical Specifications

- * **Constant Current/Voltage:** The unit operates in both constant current and constant voltage modes.

Programming: Programmable output voltage and current are supported via analog/resistance control.

Remote Sensing: The N8761A supports remote sensing capabilities.

Interfaces

- * **Standard Interfaces:**
 - * LAN (LXI Class C compliant)
 - * USB
 - * GPIB
- * **Remote Control:** Features an integrated web server for remote control via LAN.

Physical Specifications

- * **Form Factor:** Compact 2U package.

Airflow: Front-to-back airflow for simplified rack mounting and stacking.

Rack Mounting: Rack mount ears and handles are provided standard. An optional 19-inch rack mount slide kit (N5740A) is available.

Compatibility and Features

- * **Expandability:** Multiple units can be connected in parallel (up to 4) for increased output current or in series (up to 2) for increased output voltage, using identical models.

Device Protection: Includes extensive protection features such as over-voltage protection (OVP), over-current protection (OCP), and under-voltage limit (UVL) to safeguard connected loads.

Front Panel Operation: Features intuitive front-panel controls with separate knobs for voltage and current adjustments, and simultaneous display of output voltage and current. Front panel controls can be locked to prevent accidental changes.

Built-in Measurement: Integrated voltage and current measurement capabilities.

Why Choose Aumictech for the Keysight N8761A? At Aumictech, we specialize in supplying high-end DC power supply equipment. Whether you need reliable, high-power output, precise voltage and current control, or seamless integration into your automated test systems, our team ensures the Keysight N8761A delivers maximum performance for your application.

N8761A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700 5 kW class
Rated Output Voltage	300 V
Rated Output Current	17 A
Rated Output Power	5100 W
Output Ripple Noise CV Peak Peak	300 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	60 mV from 5 Hz to 1 MHz
CV Load Regulation	50 mV
CC Load Regulation	17 mA
CV Line Regulation	30 mV
CC Line Regulation	8.5 mA
Voltage Programming Accuracy	0.025 percent plus 225 mV
Current Programming Accuracy	0.1 percent plus 51 mA
Voltage Measurement Accuracy	0.025 percent plus 375 mV
Current Measurement Accuracy	0.1 percent plus 51 mA
Load Transient Recovery Time	less than 2 ms
Overvoltage Protection Range	5 to 330 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
Series Capability	2 identical units for higher voltage within isolation limits
Analog Program Monitor	0 to 5 V or 0 to 10 V and resistance programming paths
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables
Bandwidth	Output Ripple Noise CV RMS: 60 mV from 5 Hz to 1 MHz

N8761A Specifications

PARAMETER	VALUE
Applications	High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U.
Key Features	Compact 2U 19 inch system DC supply package
LAN USB and GPIB interfaces standard LXI Class C	Overvoltage overcurrent and overtemperature protection with UVL window
Technical Specifications	Instrument Type: System DC power supply
Notes	Numeric rows from Agilent/Keysight N8700 Series datasheet model column N8761A (5 kW tables).

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

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NIST-traceable calibration · SAM registered ·
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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.