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**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

# HP N6700a Low Profile Modular Power System Mainframe, 4-slot

Agilent HP N6700A Low Profile Modular Power System Mainframe 4 Slot The Agilent/HP N6700A is a 4-slot low-profile modular power system mainframe for N67xx modules. OEM N6700 family literature describes GPIB/USB/LAN control of mixed DC modules in 1U. ATE modular DC power, mixed module systems, and automated multi-rail device powering. Four module slots in low profile mainframe The Agilent/HP N6700A is a 4-slot low-profile modular power system mainframe for N67xx modules. OEM N6700 family literature describes GPIB/USB/LAN control of mixed DC modules in 1U. ATE modular DC power, mixed module systems, and automated multi-rail device powering. Four module slots in low profile mainframe Accepts N673x N674x N675x N676x N677x N678x modules



MODEL

**Agilent / Keysight  
N6700A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**N6700A**

LISTING

<https://aumictechlabs.com/products/n6700a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Agilent/Keysight N6700A is a low-profile, modular power system mainframe designed to accept up to four N67xx series DC power modules. This flexible system allows users to mix and match modules to create a custom power solution tailored to their specific needs. It has high-speed programming and readback capabilities, making it suitable for automated test

environments. With its compact size and versatile configuration options, the N6700A is an excellent choice for both benchtop and ATE system integration.

## N6700A Characteristics / Specifications

| PARAMETER                           | VALUE                                             |
|-------------------------------------|---------------------------------------------------|
| Instrument Type                     | Modular power system mainframe                    |
| Series Family                       | Keysight N6700                                    |
| Module Slots                        | 4                                                 |
| Package Height Class                | 1 U low profile                                   |
| Compatible Basic Modules            | N673x N674x                                       |
| Compatible High Performance Modules | N675x                                             |
| Compatible Precision Modules        | N676x                                             |
| Compatible SMU Modules              | N678x                                             |
| Remote Interfaces                   | GPIB USB LAN                                      |
| Command Language                    | SCPI                                              |
| Maximum Modules Installed           | 4                                                 |
| Output Rails                        | up to 4 independent outputs module dependent      |
| System Role                         | hosts programmable DC modules                     |
| Sense Capability                    | module dependent remote sense                     |
| Protection                          | module OVP OCP OTP class                          |
| LXI Capability                      | LAN based remote operation on supported revisions |
| Front Panel                         | mainframe status and module control class         |
| Calibration                         | module level calibration                          |
| Airflow                             | mainframe cooling for installed modules           |
| Family Successors                   | N6700B N6700C                                     |
| Analyzer Sibling                    | N6705 DC Power Analyzer mainframes                |
| Module Power Sum                    | limited by mainframe available power budget       |
| Programming                         | per output voltage current protection             |
| Use Case Class                      | automated test modular DC power                   |
| Form Factor                         | rack mount system mainframe                       |

# 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

Identity and architecture rows from Keysight/Agilent N6700 Modular Power System family literature for N6700A mainframe. Module-specific V/I accuracy belongs on the installed module datasheet.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.