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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6700B Modular Power System Mainframe

Build To Order Systems: N671x build-to-order assemblies class Security Features Class: Nonvolatile clear and interface disable class Firmware Update Path: GPIB LAN or USB class From Keysight/Agilent N6700 Modular Power System family datasheets and specification guides for N6700-series mainframes. Confirm exact total available output power rating on the specific N6700B configuration label and module mix. Security Features Class: Nonvolatile clear and interface disable class Firmware Update Path: GPIB LAN or USB class From Keysight/Agilent N6700 Modular Power System family datasheets and specification guides for N6700-series mainframes. Confirm exact total available output power rating on the specific N6700B configuration label and module mix.



MODEL

**Agilent / Keysight
N6700B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6700B

LISTING

<https://aumictechlabs.com/products/n6700b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight N6700B Modular Power System Mainframe is a versatile and solution for automated test equipment (ATE) and bench-top applications. This 1U high, half-rack width mainframe accepts up to four N6700 series DC power modules, allowing you to configure a power system tailored to your specific needs. With a total power capacity of 600W, the N6700B provides

ample power for a wide range of devices and applications. Its fast programming speeds and precise control capabilities make it ideal for demanding test and measurement environments. The N6700B supports a variety of interfaces, including GPIB, LAN, and USB, for seamless integration into your existing test systems.

N6700B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Low-profile Modular Power System mainframe
Module Slots	4
Compatible Modules	N67xx DC power and load modules
Remote Interfaces	GPIB LAN USB
Command Language	SCPI
Form Factor	1U rack mountable
Series Family	Keysight N6700 Modular Power System
Sibling Analyzer Mainframe	N6705B DC Power Analyzer
Typical Module Power Classes	50 W 100 W 300 W 500 W module ratings
High Performance Module Example N6751A	50 V / 5 A / 50 W
High Performance Module Example N6752A	50 V / 10 A / 100 W
Autoranging Modules	N675x high-performance family supported
Precision Modules	N676x family supported
Basic Modules	N673x N674x N677x families supported
Output Disconnect Relay Option Class	Option 761 class on modules
Arbitrary Waveform On Modules	Supported on N675x N676x class
LXI Compliance Class	LXI-capable LAN control class
Operating Temperature Class	Standard lab rack environment class
Primary Power Class	AC mains powered mainframe class
Build To Order Systems	N671x build-to-order assemblies class
Security Features Class	Nonvolatile clear and interface disable class
Firmware Update Path	GPIB LAN or USB class
Operating temperature	Class: Standard lab rack environment class

General Specifications & Supplementary Characteristics

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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/precision modules, and remote LXI-class connectivity.

Key Features

Low profile 1U modular mainframe

Holds up to four N67xx modules

GPIB LAN and USB remote interfaces

SCPI programmable control

Power management across installed modules

Technical Specifications

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Ordering Information

OPTION	DESCRIPTION
Option 761	class on modules

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.