

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6700C Modular Power System Mainframe

Primary Power Class: AC mains powered mainframe class Firmware Update Path: GPIB LAN or USB class Security Features Class: nonvolatile clear and interface disable class From Keysight N6700 Modular Power System family datasheets for N6700C-generation mainframes. Confirm exact total available output power rating on the specific configuration label and module mix.

Firmware Update Path: GPIB LAN or USB class Security Features Class: nonvolatile clear and interface disable class From Keysight N6700 Modular Power System family datasheets for N6700C-generation mainframes. Confirm exact total available output power rating on the specific configuration label and module mix.



MODEL

**Agilent / Keysight
N6700C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6700C

LISTING

<https://aumictechlabs.com/products/n6700c-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent N6700C is a versatile, modular power system mainframe designed for ATE and bench testing. This low-profile 1U mainframe holds up to four DC power modules, mix and match modules to create tailored power solutions. Offering fast command processing and high accuracy, it enhances test throughput and confidence in results. Its compact size saves rack space, while its

comprehensive features cater to diverse power requirements in research, design, and manufacturing environments.

N6700C Characteristics / Specifications

PARAMETER	VALUE
Model	N6700C
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	N6705C DC Power Analyzer
Typical Module Power Classes	50 W 100 W 300 W 500 W module ratings
High Performance Modules	N675x 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
Firmware Update Path	GPIB LAN or USB class
Brand Lineage	Agilent / Keysight
Predecessor	N6700B
Security Features Class	nonvolatile clear and interface disable class
Operating temperature	Class: Standard lab rack environment class

N6700C Specifications

PARAMETER	VALUE
Applications	ATE environments needing multiple programmable DC rails in 1U with mixed basic/high-performance/precision N67xx modules.
Key Features	Low profile 1U modular mainframe
Technical Specifications	Model: N6700C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab rack environment class
Operating Temperature	Class: Standard lab rack environment class
Operating Temperature Class	Standard lab rack environment class
Primary Power Class	AC mains powered mainframe class
Firmware Update Path	GPIB LAN or USB class
Brand Lineage	Agilent / Keysight
Predecessor	N6700B
Security Features Class	nonvolatile clear and interface disable class Notes From Keysight N6700 Modular Power System family datasheets for N6700C-generation mainframes. Confirm exact total available output power rating on the specific configuration label and module mix.

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 N67xx modules.	
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	
Technical Specifications	
PARAMETER	VALUE
Model	N6700C
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	N6705C DC Power Analyzer
Typical Module Power Classes	50 W 100 W 300 W 500 W module ratings
High Performance Modules	N675x 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
Firmware Update Path	GPIB LAN or USB class
Brand Lineage	Agilent / Keysight
Predecessor	N6700B
Security Features Class	nonvolatile clear and interface disable class

Notes

From Keysight N6700 Modular Power System family datasheets for N6700C-generation mainframes. Confirm exact total available output power rating on the specific configuration label and module mix.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.