

# DEVICE SPECIFICATIONS

## GPIB-USB-HS+

For more information about the GPIB-USB-HS+, refer to the *NI-488.2 User Manual* and the *GPIB Hardware Installation and Specifications* document available at [ni.com/manuals](http://ni.com/manuals).

## Performance

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### GPIB

3-wire.....	Up to 1830 Kbytes/s
HS488 .....	Up to 7920 Kbytes/s

## Signaling

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GPIB ..... 3-wire, HS488

USB ..... USB 2.0

## Power Requirements

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**Caution** The protection provided by this product may be impaired if it is used in a manner not described in this document.

### USB bus-powered device

Maximum power consumption.....	200 mA
Typical power consumption.....	80 mA

## Physical Characteristics

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Dimensions ..... 8.0 cm × 6.1 cm × 2.0 cm  
(3.2 in. × 2.4 in. × 0.8 in.)

Weight..... 153 g (5.4 oz), includes USB cable weight

### I/O connector

GPIB .....	IEEE 488 24-pin connector
USB .....	USB Standard Type A plug

### Jackscrew

Thread.....	M3.5 × 0.6
Torque.....	0.56 N · m (5.0 lb · in), maximum

# Environmental

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Operating ambient temperature .....	0 °C to 55 °C (Tested in accordance with IEC 60068-2-1 and IEC 60068-2-2.)
Storage ambient temperature .....	-20 °C to 70 °C (Tested in accordance with IEC 60068-2-1 and IEC 60068-2-2.)
Operating relative humidity .....	10% to 90%, noncondensing (Tested in accordance with IEC 60068-2-56.)
Storage relative humidity .....	5% to 95%, noncondensing (Tested in accordance with IEC 60068-2-56.)
Pollution Degree .....	2
Maximum altitude .....	2,000 m (at 25 °C ambient temperature)

Indoor use only.

# Safety

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This product is designed to meet the requirements of the following standards of safety for electrical equipment for measurement, control, and laboratory use:

- IEC 60950-1, EN 60950-1
- UL 60950-1
- CAN/CSA C22.2 No. 60950.1

# Electromagnetic Compatibility

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This product meets the requirements of the following EMC standards for electrical equipment for measurement, control, and laboratory use:

- EN 61326-1 (IEC 61326-1): Class A emissions; Basic immunity
- EN 55011 (CISPR 11): Group 1, Class A emissions
- EN 55022 (CISPR 22): Class A emissions
- EN 55024 (CISPR 24): Immunity
- AS/NZS CISPR 11: Group 1, Class A emissions
- AS/NZS CISPR 22: Class A emissions
- FCC 47 CFR Part 15B: Class A emissions
- ICES-001: Class A emissions



**Note** In the United States (per FCC 47 CFR), Class A equipment is intended for use in commercial, light-industrial, and heavy-industrial locations. In Europe, Canada,

Australia, and New Zealand (per CISPR 11) Class A equipment is intended for use only in heavy-industrial locations.



**Note** Group 1 equipment (per CISPR 11) is any industrial, scientific, or medical equipment that does not intentionally generate radio frequency energy for the treatment of material or inspection/analysis purposes.



**Note** For EMC declarations and certifications, and additional information, refer to the Online Product Certification section.

## CE Compliance

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This product meets the essential requirements of applicable European Directives, as follows:

- 2006/95/EC; Low-Voltage Directive (safety)
- 2014/30/EU; Electromagnetic Compatibility Directive (EMC)

## Online Product Certification

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To obtain product certifications and the DoC for this product, visit [ni.com/certification](https://ni.com/certification), search by model number or product line, and click the appropriate link in the Certification column.

## Environmental Management

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NI is committed to designing and manufacturing products in an environmentally responsible manner. NI recognizes that eliminating certain hazardous substances from our products is beneficial to the environment and to NI customers.

For additional environmental information, refer to the *Minimize Our Environmental Impact* web page at [ni.com/environment](https://ni.com/environment). This page contains the environmental regulations and directives with which NI complies, as well as other environmental information not included in this document.

## Waste Electrical and Electronic Equipment (WEEE)



**EU Customers** At the end of the product life cycle, all products *must* be sent to a WEEE recycling center. For more information about WEEE recycling centers, National Instruments WEEE initiatives, and compliance with WEEE Directive 2002/96/EC on Waste and Electronic Equipment, visit [ni.com/environment/weee](https://ni.com/environment/weee).

## 电子信息产品污染控制管理办法（中国 RoHS）



**中国客户** National Instruments 符合中国电子信息产品中限制使用某些有害物质指令 (RoHS)。关于 National Instruments 中国 RoHS 合规性信息, 请登录 [ni.com/environment/rohs\\_china](https://ni.com/environment/rohs_china)。(For information about China RoHS compliance, go to [ni.com/environment/rohs\\_china](https://ni.com/environment/rohs_china).)

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