
PXle-8267

Specifications

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This document lists the PXIe-8267 electrical, mechanical, and environmental specifications.



Note Specifications are subject to change without notice.



Note The PXIe-8267 requires a chassis with slot cooling capacity ≥ 58 W.

Module

Total storage capacity	4 TB (4 x 1 TB or greater)
Drive interface	PCI Express Gen 3.0 x4, NVMe
Module interface	PCI Express Gen 3.0 x8, NVMe
Drive form factor	M.2 (2280 or 22110)
Supporting features	TRIM (required OS support), Garbage Collection, S.M.A.R.T.

Physical Characteristics

Board dimensions	One-slot, 3U, PXI Express/CompactPCI Express module; 2.1 × 13.1 × 21.4 cm (0.9 × 5.2 × 8.5 in.)
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Weight	0.53 kg (1.17 lb)
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Power Requirements

Power consumption (typical)

Sequential Write Throughput	5 V Aux	3.3 V Rail	12 V Rail	Total Power
< 3300 MB/s	0.003 A	2.9 A	1.1 A	22.9 W
< 6000 MB/s	0.003 A	3.0 A	1.5 A	27.8 W

Power consumption (max)

Sequential Write Throughput	5 V Aux	3.3 V Rail	12 V Rail	Total Power
< 3300 MB/s	0.003 A	3.5 A	1.6 A	30.2 W
< 6000 MB/s	0.003 A	3.6 A	2.1 A	36.8 W



Note Power consumption depends on the M.2 drive write or read rate and ambient temperature.

Environmental

Maximum altitude	2,000 m (800 mbar)
Pollution degree	2

Indoor use only.

Operating Environment

Ambient temperature range	0 °C to 55 °C ¹ (Tested in accordance with IEC-60068-2-1 and IEC-60068-2-2. Meets MIL-PRF-28800F Class 3 low temperature limit and MIL-PRF-28800F Class 2 high temperature limit.)
Relative humidity range	10% to 90% noncondensing (Tested in accordance with IEC-60068-2-78.)

Storage Environment

Ambient temperature range ²	-40 °C to 71 °C (Tested in accordance with IEC-60068-2-1 and IEC-60068-2-2; meets MIL-PRF-28800F Class 3 limits.)
Relative humidity range	5% to 95% noncondensing (Tested in accordance with IEC-60068-2-78.)

Shock and Vibration

Operational shock	30 g peak, half-sine, 11 ms pulse
Random Vibration	

1. The PXIe-8267 requires a chassis with slot cooling capacity ≥ 58 W. Not all chassis with slot cooling capacity ≥ 58 W can achieve this ambient temperature range. Refer to the [PXI Chassis Manual](#) for specifications to determine the ambient temperature ranges your chassis can achieve.
2. Drive utilization and storage temperatures will have an impact on unpowered data retention. Visit ni.com/info and enter the Info Code ssdtemp for more information about the impact of temperature on drive endurance.

Operating	5 Hz to 500 Hz, 0.3 g _{rms} (with solid state hard drive)
Nonoperating	5 Hz to 500 Hz, 2.4 g _{rms}

Safety

This product is designed to meet the requirements of the following standards of safety for information technology equipment:

- IEC 61010-1, EN 61010-1
- UL 61010-1, CSA C22.2 No. 61010-1



Note For UL and other safety certifications, refer to the product label or the [Product Certifications and Declarations](#) section.

Electromagnetic Compatibility Standards

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
- AS/NZS CISPR 11: Group 1, Class A emissions



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 In Europe, Australia, and New Zealand (per CISPR 11) Class A equipment is intended for use only in non-residential locations.

Product Certifications and Declarations

Refer to the product Declaration of Conformity (DoC) for additional regulatory compliance information. To obtain product certifications and the DoC for NI products, visit ni.com/product-certifications, search by model number, and click the appropriate link.

Environmental Management

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 *Engineering a Healthy Planet* web page at 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 This symbol indicates that waste products should be disposed of separately from municipal household waste according to WEEE Directive 2002/96/EC of the European Parliament and the Council on waste electrical and electronic equipment (WEEE). All products at the end of their life cycle must be sent to a WEEE collection and recycling center. Proper WEEE disposal reduces environmental impact and the risk to human health due to potentially hazardous substances used in such equipment. Your cooperation in proper WEEE disposal will contribute to the effective usage of natural resources. For information about the available collection and recycling scheme in a particular country, go to ni.com/environment/weee.

电子信息产品污染控制管理办法（中国RoHS）

-  **中国RoHS**— NI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NI中国RoHS合规性信息，请登录 ni.com/environment/rohs_china。(For information about China RoHS compliance, go to ni.com/environment/rohs_china.)