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**PXIe-8246**

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# PXle-8246 Specifications

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# PXIe-8246 Specifications

## Gigabit Ethernet Interface

Standard	IEEE 802.3 10BASE-T, 100BASE-TX, 1000BASE-T
Number of ports	4
Interface	RJ45
Speed	10 Mbps, 100 Mbps, 1000 Mbps

## Bus Interface

Form factor	PXI Express Gen-2 x4
Slot compatibility	x4, x8, and x16 PXI Express or PXI Express hybrid slots

## Synchronization Resources

Input/output source	PXI_Trig<0..7>
Input source	PXI_Clk10, PXIe_Clk100



**Notice** PXI-1: PXI Hardware Specification and PXI-5: PXI Express Hardware Specification describe the PXI trigger bus for intermodule synchronization and communication. The trigger bus can be driven by multiple peripherals simultaneously, but doing so can result in hardware

damage. Users must ensure triggers are not driven by multiple devices simultaneously.

## Power Requirements

Power requirements are dependent on your application.

+3.3 V	3 A
+12 V	2 A
<b>Power over Ethernet (PoE)</b>	
Maximum operating power	16 W
Absolute maximum power	32 W
Nominal voltage	+51 V DC
Current	0.314 A
Withstand (channel-to-earth)	1500 V RMS (per the standard in IEEE 802.3)

## Power Over Ethernet (PoE)

Standard	IEEE 802.3af compatible
Supported power classes	0, 1, 2, and 3
Power output	15.4 W (per port), 16 W (for 4 ports)
Isolation	IEEE 802.3af compliant, Environment A

## Physical Characteristics

Dimensions (not including connectors)	21.6 cm x 2.0 cm x 13.0 cm (8.5 in. x 0.8 in. x 5.1 in.); 3U, one-slot PXI Express module
Weight	360 g (12.7 oz)
<b>I/O Connectors</b>	
Connector Type	RJ45
<b>LED indicators</b>	
Ethernet	1 Link/Activity LED and 1 Link Speed LED for each port
Power over Ethernet(PoE)	1 Status LED for each port

## Environment

Maximum altitude	2,000 m (800 mbar) (at 25 °C ambient temperature)
Pollution Degree	2

Indoor use only.

## Operating Environment

Ambient temperature range	0 °C to 55 °C
Relative humidity range	10% to 90%, noncondensing

## Storage Environment

Ambient temperature range	-40 °C to 71 °C
Relative humidity range	5% to 95%, noncondensing

## Shock and Vibration

Operating shock	30 g peak, half-sine, 11 ms pulse
<b>Random vibration</b>	
Operating	5 Hz to 500 Hz, 0.3 g <sub>rms</sub>
Nonoperating	5 Hz to 500 Hz, 2.4 g <sub>rms</sub>