PE-1000 Series

PCI Express x4, PoE+, 2-channel/ 4-channel Gigabit, IEEE 802.3at Compliant Expansion Card

- PCI Express x4 Interface
- IEEE 802.3at compliant for PoE+
- Up to 4 Independent Gigabit LAN Ports
- -25°C to 70°C Operating Temperature

- Up to 25.5W Power Output at 48V DC per port
- 9KB Jumbo Frame, Link Aggregation
- Teaming Functions
- 16 DIO for 8 DI & 8 DO (Optional)

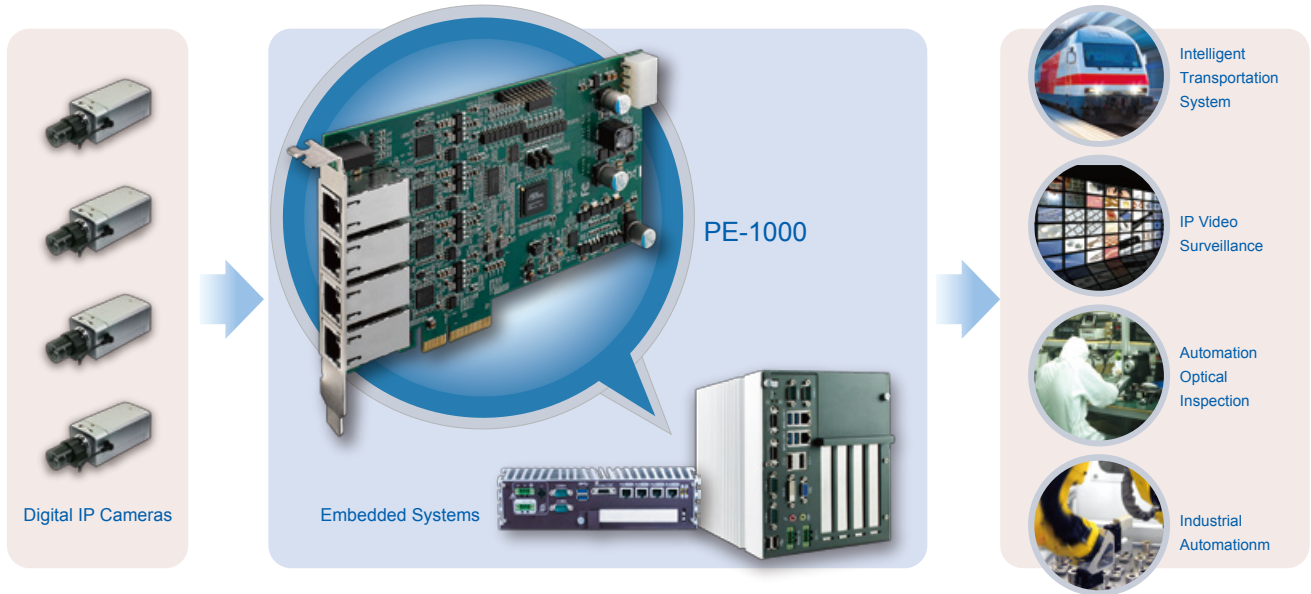| Intelligent Transportation System | IP Video Surveillance | Automation Optical Inspection | Industrial Automation |

PE-1000 is a series of PoE+ expansion cards which is powered by independent gigabit LAN chips. With up to 25.5W at 48V DC power input on each 10/100/1000 Mbps IEEE 802.3at compliant connection, teaming, link aggregation (LAG) & 9KB Jumbo Frame supported, and wide range of operating temperature, PE-1000 series PoE+ expansion card is your cost effective choice for Machine Vision, Intelligent Transportation System (ITS), IP Video Surveillance, Automation Optical Inspection, Industrial Automation and any PoE+ required applications.

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🔲 Applications

Digital IP Cameras

Embedded Systems

PE-1000

Intelligent Transportation System

IP Video Surveillance

Automation Optical Inspection

Industrial Automationm

🔲 Specifications

Ethernet

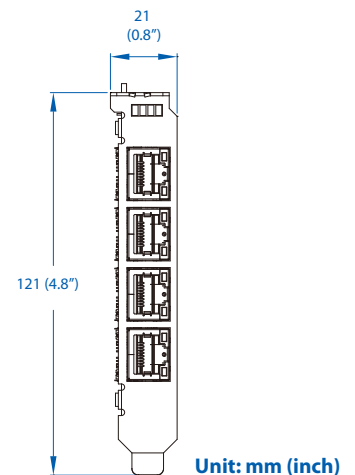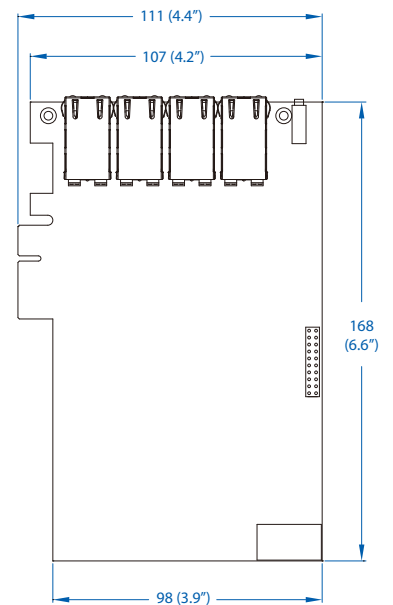|	
Interface	PCI Express x4
Controller	2 Intel® 82574L Gigabit LAN (PE-1002)
	4 Intel® 82574L Gigabit LAN (PE-1004)
Data Rate	10/ 100/ 1000 Mbps (Vary by attached Ethernet device)
Jumbo Frame	9KB supported
Link Aggregation (LAG)	Present
Connector	8-pin RJ45
PoE Standard	IEEE 802.3at compliant

Power Requirements

Output	2 PoE Ports, up to 25.5W Power Output at 48V DC per port (PE-1002)
	4 PoE Ports, up to 25.5W Power Output at 48V DC per port (PE-1004)
Power Connector	1 4-pin 12V Power Connector
DIO	16 DIO for 8 DI & 8 DO (Optional)

Environment

Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Certifications	FCC, CE, RoHS compliant

Mechanical

Dimension (W x D x H)	168 mm x 121 mm x 21 mm (6.6" x 4.8" x 0.8")

111 (4.4″)
107 (4.2″)
168 (6.6″)
98 (3.9″)
21 (0.8″)
121 (4.8″)

Unit: mm (inch)

🔲 Order Information

Part Number	Description
PE-1004	4-CH PCI Express PoE+ Card
PE-1004N	4-CH PCI Express Non-PoE+ Card
PE-1004S	4-CH PCI Express PoE+ Card, Non-DIO
PE-1002	2-CH PCI Express PoE+ Card
PE-1002S	2-CH PCI Express PoE+ Card, Non-DIO

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