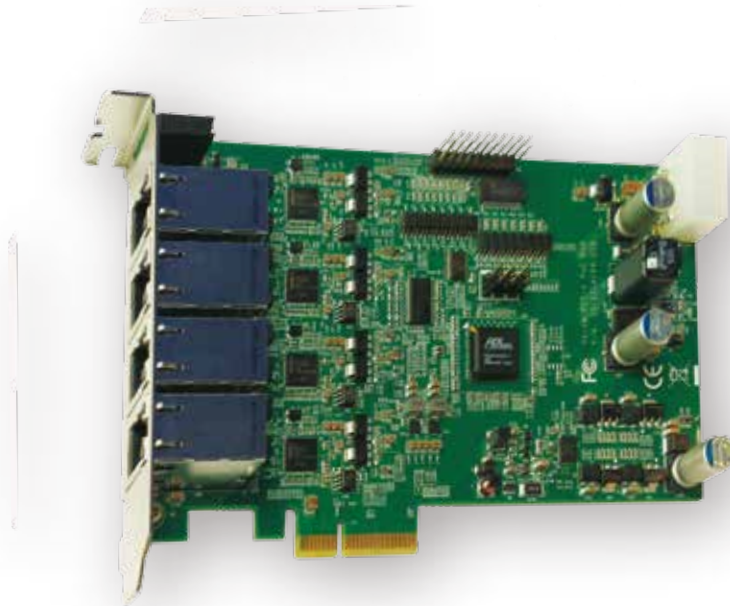# PE-1004

PCI express by 4, PoE+, 4-CH, Gigabit, IEEE 802.3at Compliant

PoE

- PCI Express by 4
- 4 Independent GigE Ports
- IEEE 802.3at for PoE+
- 4 Gigabit Ethernet MAC Controller and PHY Ports
- Input Power Up to 25.5W at 48 V_{DC} per PoE Port
- 9KB Jumbo Frame Support
- Support Link Aggregation (LAG)
- 8 DI | 8 DO (Optional)

Intelligent Transportation System | **IP Video Surveillance** | **Automation Optical Inspection** | **Industrial Automation**
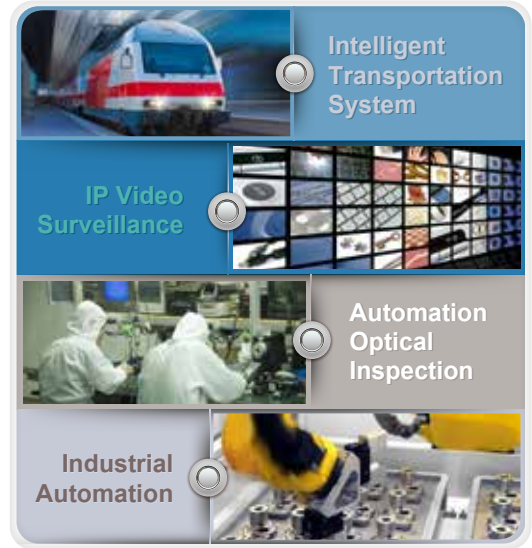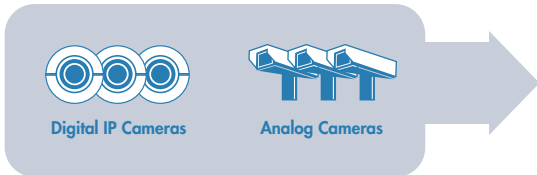
Especially designed for PCI Express by 4 lane, PE-1004 is a 4 independent gigabit Ethernet (GigE) cards and compatible with IEEE 802.3at PoE+ for power sourcing equipement (PSE) devices. Transmitting network connection and power by one single 10/100/1000 Mbps PoE RJ45 cable, PE-1004 enables to provide up to 25.5 watts at 48 VDC power input each port. Supporting link aggregation (LAG) and 9kb jumbo frame, PE-1004 can benefit Gigabit Ethernet video surveillance, intelligent transportation system, automation optical inspection, and industrial automation.

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Application

- Digital IP Cameras
- Analog Cameras

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

Specification

Ethernet Communications

Bus Type	Form Factor	PCI Express by 4
Number of Ports	2 Intel® 82574L Gigabit LAN (PE-1002)
	4 Intel® 82574L Gigabit LAN (PE-1004)
Speed	10 / 100 / 1000 Mbps (Vary on Ethernet Device Attached)
Jumbo Frame Support	9KB
Link Aggregation (LAG)	Present
Port Connector	8-Pin RJ45
PoE Standard	IEEE 802.3at compliant

Power Requirement

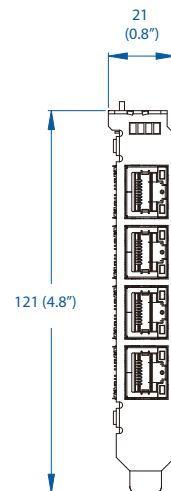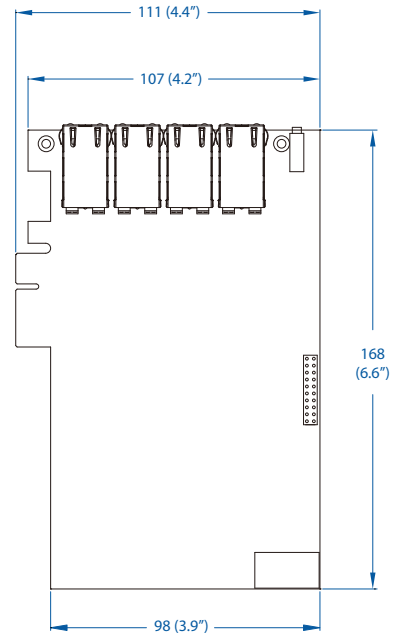|	
Input Voltage	Additional 12V for PoE Devices
Ouput PoE Power	2 PoE Ports, Each Port up to 25.5 W at 48V$_{DC}$
	4 PoE Ports, Each Port up to 25.5 W at 48V$_{DC}$
Protection	Over Current Protection
Connection	AT	ATX Power Jack
DIO	8 DI	8 DO (Optional)

Environment

Operate Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 125°C (-40°F to 257°F)
Environment Certifications	FCC, CE, RoHS Compliance

Mechanical

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

*All product specifications and photos are subject to change without prior notice.

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-1002	2-CH PCI Express PoE+ Card