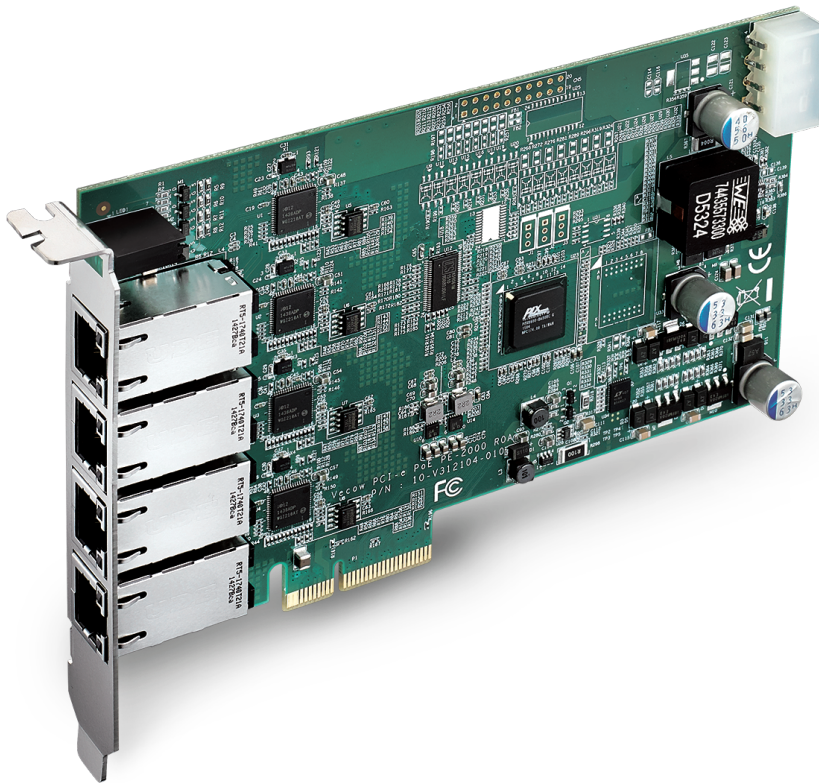# PE-2004 EXPANSION CARD

PCI Express x4, PoE⁺, 2-channel/ 4-channel Gigabit LAN, IEEE 802.3at Compliant
Intel® I210 PCI Express PoE⁺ Expansion Card

- PCI Express x4 Interface
- Up to 4 Independent Intel® I210 Gigabit LAN
- IEEE 802.3at compliant for PoE⁺
- IEEE 1588 Precision Time Protocol (PTP)
- Up to 25.5W Power Output at 48V DC per port

- 9.5KB Jumbo Frame, Link Aggregation
- Teaming Functions
- -25°C to 70°C Operating Temperature
- 16 Isolated DIO : 8 DI, 8 DO (Optional)
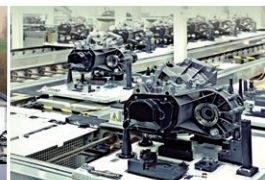- Software Programmable PoE Power Switch (Optional)

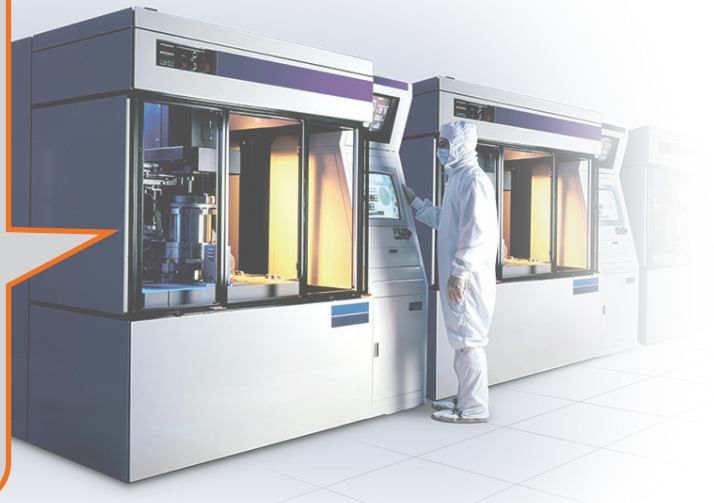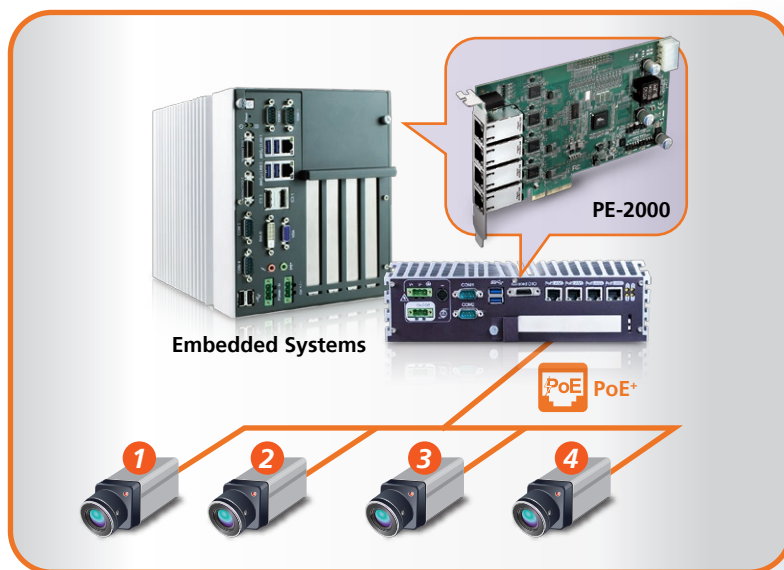| Intelligent Surveillance | Machine Vision | ITS (Intelligent Transportation System) | Industrial Automation | Logistic |

Applications

PE-2000

Embedded Systems

PoE PoE+

Specifications

Ethernet

Interface	PCI Express x4
Controller	• 2 Intel® I210 Gigabit LAN (PE-2002)
	• 4 Intel® I210 Gigabit LAN (PE-2004)
Data Rate	10/ 100/ 1000 Mbps (Vary by attached Ethernet device)
Jumbo Frame	9.5KB supported
Link Aggregation (LAG)	Present
Connector	8-pin RJ45
PoE Standard	IEEE 802.3at compliant

Power Requirement

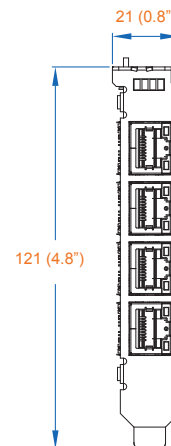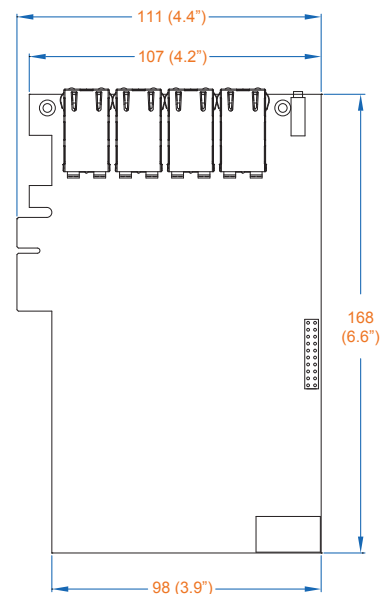|	
Output	• 2 PoE ports, up to 25.5W Power Output at 48V DC per port (PE-2002)
	• 4 PoE ports, up to 25.5W Power Output at 48V DC per port (PE-2004)
Power Connector	1 4-pin 12V Power Connector
DIO	16 Isolated DIO : 8 DI, 8 DO (Optional)

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	CE, FCC, RoHS compliant

Mechanical

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

Order Information

PE-2004	• Intel® I210 4-CH PCI Express PoE+ Card
PE-2002	• Intel® I210 2-CH PCI Express PoE+ Card

Dimensions & Drawing

111 (4.4")
107 (4.2")
168 (6.6")
98 (3.9")

21 (0.8")
121 (4.8")

Unit: mm (inch)

Contact us at **855.769.9747** or email at **sales@ruggedscience.com** to learn about our customizable solutions for your business.