PE-5004 EXPANSION CARD

Intel®XL710 4-port 10GigE PoE+ PCI Express Expansion Card
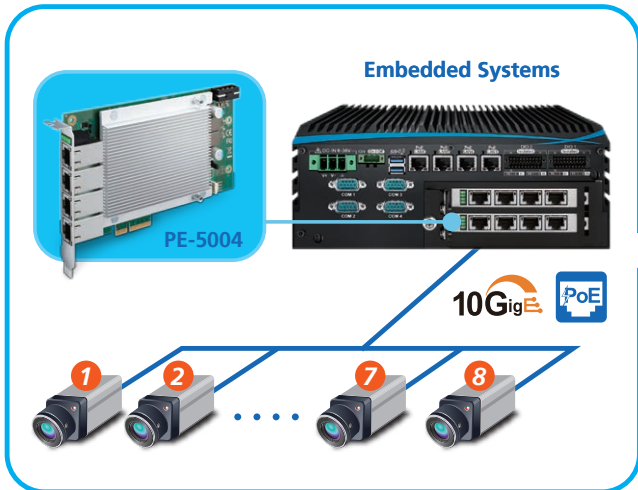
Scientific Research

Goal-line Technology

Deep Learning

Real-time Inspection

10GigE

- Intel® XL710 10GBASE-T Ethernet Controller and Intel® X557 PHY supports 4-port independent 10GigE PoE+ LAN, up to 10Gbps data rate
- PCI Express x8 interface, PCIe 3.0 supports up to 8.0 GT/s
- IEEE 802.3at Power over Ethernet (PoE+), up to 25.5W Power Output at 48V DC per port, with PoE+ On/Off Control

- IEEE 1588 Precision Time Protocol (PTP) and IEEE 802.1AS Precision Timing Synchronization compliant
- Up to 9.7KB Jumbo Frame, Link Aggregation
- Supports IEEE 802.3az Energy Efficient Ethernet (EEE) and DMA Coalescing Power Management Features
- -25°C to 55°C Operating Temperature

10G | **PoE** | **-25° 55°** | **CE** | **FC** | **RoHS**

Applications

Embedded Systems

PE-5004

10GigE **PoE**

Plant Phenomics

Specifications

Ethernet

Interface	PCI Express x8
Controller	Intel ® Ethernet Controller XL710
Controller Qty	1
PHY	Intel ® X557
PHY Qty	1
Data Rate	10Gbps/1Gbps/100Mbps
Number of Port	4
Jumbo Frame	Up to 9.7KB supported
Link Aggregation (LAG)	Present
PoE Standard	IEEE 802.3at compliant

Power Requirement

Output	- 4 RJ45 Connector - 4 LED for PoE On/Off Mode - Up to 25.5W Power Output at 48V DC per port
Power Connector	1 4-pin 12V Power Connector

Mechanical

Dimension (W x L)	168 mm x 111 mm (6.6" x 4.4")
Bracket	Full height

Software Support

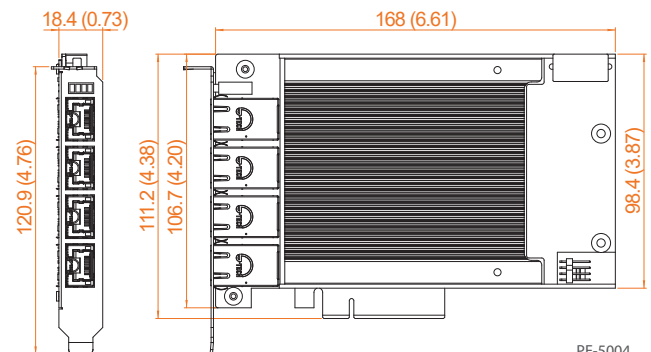|	
OS	Windows 10, Linux

Environment

Operating Temperature	-25°C to 55°C with air flow (-40°F to 131°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 55°C
EMC	CE, FCC

Order Information

Model	Description
PE-5004	Intel ® XL710 4-CH PCI Express Card with 10GigE PoE [+]

Dimensions & Drawing
Unit : mm (inch)

18.4 (0.73)

168 (6.61)

120.9 (4.76)

111.2 (4.38)

106.7 (4.20)

98.4 (3.87)

PE-5004

* All product information may subject to change without prior notice.
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