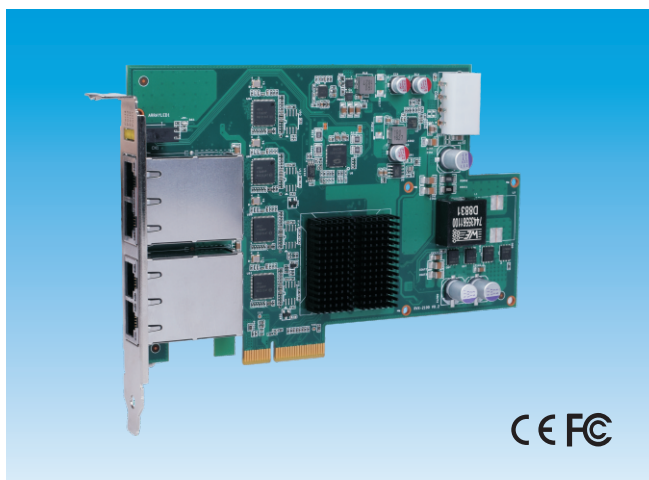# PoE-C100 Series

4CH PCI Express GigE Vision PoE+ Frame Grabbers with PoE Power Management & Protection

CE FC

Features

- PCI Express x4 compliant
- Support for 4 independent Gigabit Ethernet ports
- Support Time Sensitive Networking (TSN)
- IEEE 802.3at for PoE+ (Power over Ethernet Plus)
- Multiple cards and cameras in one single system
- Powered Device (PD) auto detection and classification
- Operating temperature range from 0°C to +70°C, supporting non-drop frame capture in extreme environments

Introduction

C100 Series PCI Express GigE Vision PoE+ Frame Grabber supports 4CH independent Gigabit Ethernet ports for multiple GigE Vision connections transferring up to 1 Gb/s per port. PoE+ provides up to 30W power and automatic detection for stable, reliable connections, cost-saving, simplifying installation and easing maintenance burden.
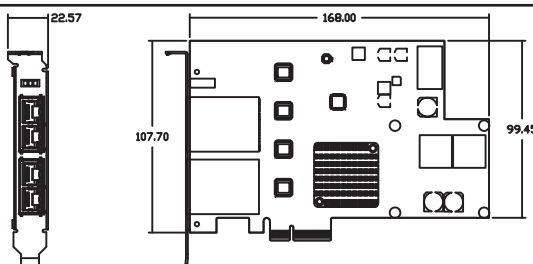
Any number of C100 series cards can be installed in one single system without occupying any I/O resources, for multi card single system machine vision grabs. Operating temperature range supports integration with fanless computer for AOI applications in harsh environments.

Exclusive comprehensive PoE Protection designs for over current and over voltage protection. Power budget control adjusts PoE port power supply automatically to avoiding equipment damage.

Specifications

PoE-C100 Series	
Form Factor	PCI Express ® x4
Ethernet Port	4 fully-integrated Gigabit Ethernet Media Access Control（MAC) and physical layer (PHY) ports.
	PoE+ (Power over Ethernet Plus), IEEE 802.3at compliant
Functions	9 KB jumbo frame support
	PoE Power Management
	Link Aggregation, IEEE 1588 (PTP)
	Multiple cards and multiple cameras
	PoE Protection
Power Requirement	Max 100W PoE power from 4-pin power connector (+12V@8A)
	Max 20W PoE power from PCIe slot (+12V@2.1A)
Operating Environment	60W PoE: 0°C to +70°C (32°F to 150°F)
	Humidity: 5% to 90% RHNC
OS Support	Windows 7/8/10、Linux
Dimensions	168 mm x 112 mm (W x L)

Dimensions

Unit: mm

22.57   168.00   107.70   99.45

Ordering Information

Model No.	Product Description
C100-100	4 Ports Card, intel i211, 1Gb/s per port, IEEE 802.3af ,PCIe2.0 x4
C100-110	4 Ports Card, intel i210, 1Gb/s per port, IEEE 802.3af ,PCIe2.0 x4 ,support TSN
C100-200	4 Ports Card, intel i211, 1Gb/s per port, IEEE 802.3at ,PCIe2.0 x4