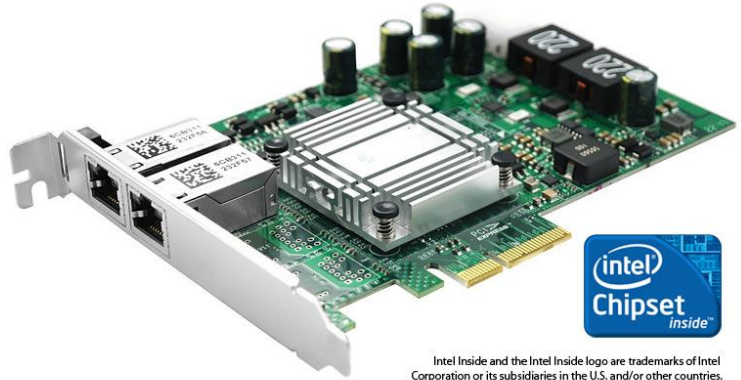


NIC-ICC-2RJ45-POE-PLU

PCIe x4 Dual Port Gigabit PoE (802.3af & 802.3at) Image Capture Card (Intel I350AM2 Based)

Introduction:

The NIC-ICC-2RJ45-POE-PLU is a kind of high-performance image capture card, independently researched and designed by Shenzhen PLUSOPTIC Electronics Co., Ltd. The cards supports 2 independent 10/100/1000BaseT(X) 802.3af & 802.3at (PoE) compliant Ethernet ports, With 12 VDC AT/ATX power input, the NIC-ICC-2RJ45-POE-PLU can boost then provides up to 25.5 watts at 48 VDC power to maximum 2 x PoE ports on each module. It allows power to be supplied to connected devices, such as PoE-based Gigabit cameras in machine vision inspection systems, without the need to use separate PoE injectors for those applications. With its 2.25 KV isolation protection, and overload current/voltage protection on LAN ports, the NIC-ICC-2RJ45-POE-PLU is ideally designed for scientific research instrumentations. Medical Research Instrumentations, Gigabit Ethernet surveillance IP cameras in intelligent transportation systems, which can also benefit from a scalable Gigabit backbone construction with Power-over-Ethernet support.



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Features:

- *Based Intel I350AM2 GbE Mac/Phy Controller
- *PCI Express® x4 compliant
- *Supports 12 VDC AT/ATX input power boost up to 25.5 watts at 48 VDC per PoE port
- *Powered Device (PD) auto detection and classification
- *Supports IEEE 802.3u Auto-Negotiation
- *2.25 KV isolation protection on LAN ports and power
- *Supports Jumbo frame (9,500 byte) and link aggregation
- *Supports IEEE-1588 and IEEE-802.1 AS

Specifications:

Ethernet Communications
 Compatibility: IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, 802.3at
 Speed: 10/100/1000 Mbps
 No. of Ports: 2 Gigabit Ethernet MAC/PHY ports.
 Port Connector: 8-pin RJ45
 Protection: Built-in 2.25KV isolation protection on LAN ports and power, ESD 8KV, EFT 2KV
 Bus Interface: PCI Express x4 compliant
 Ethernet Controller: Intel I350AM2

Power Requirements:

Input Voltage: 12 VDC, AT/ATX System power input
 Connection: AT/ATX Power Jack
 Output PoE Power: 48 VDC PoE Power output
 NIC-ICC-2RJ45-POE-PLU: Supports 4 PoE ports up to 25.5 W at 48 VDC

Power Consumption:

NIC-ICC-2RJ45-POE-PLU Typical: 25.5W per port

Environment:

- *Operating Temperature: 0 ~ 50°C (0 ~ 122°F)
- *Storage Temperature:-20 ~ 80°C (-4 ~ 176°F)
- *Operating Humidity: 5 ~ 95% RH

Mechanical:

Dimension (W x D x H):155mm x 105mm x 18.6mm (6.1" x 4.13" x 0.73")

Applications:

- *Machine vision inspection systems
- *Scientific research instrumentations
- *Medical research instrumentations
- *Intelligent transportation systems

Software Support:

- Windows xp
- Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8
- Microsoft Windows 8.1
- Microsoft Windows 10
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Linux kernel version 2.4.x, 2.6.x, 3.x or later(x86_64)
- FreeBSD7.x or later
- Vmware 5.0, 5.1, 5.5, 6.0

Ordering Information:

P/N	Description
NIC-ICC-2RJ45-POE-PLU	PCIe x4 Dual Copper Port Gigabit Image Capture Card (Intel I350AM2 Based)