IGCS-E140

> **Industrial 4-port PCIe unmanaged Gigabit Ethernet switch card with 4x10/100/1000Base-T(X)**

Features

- Provide 4x10/100/1000Base-T(X) Ethernet ports
- Supports PCIe x1 bus and compatible x4, x8 and x16 PCIe slots
- Compliant with PCIe Rev.1.1 Interface
- Supports 10K Bytes Jumbo Frame
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
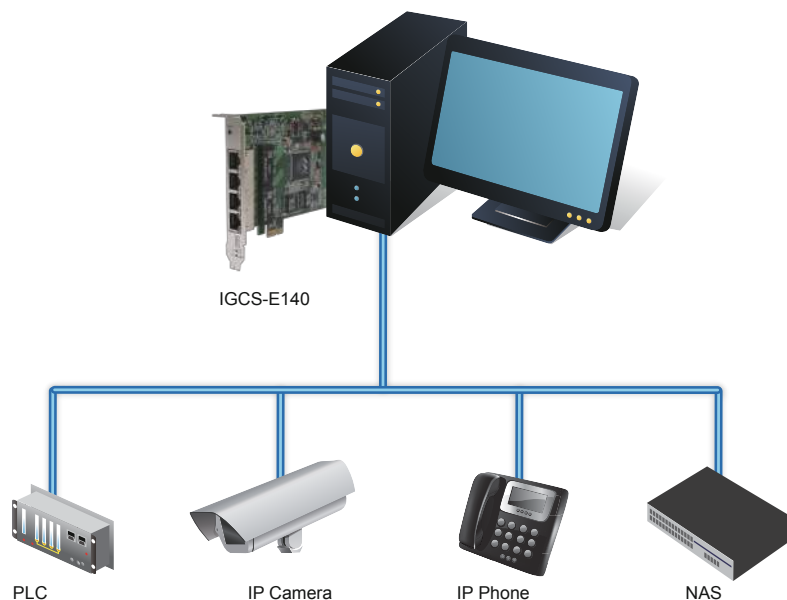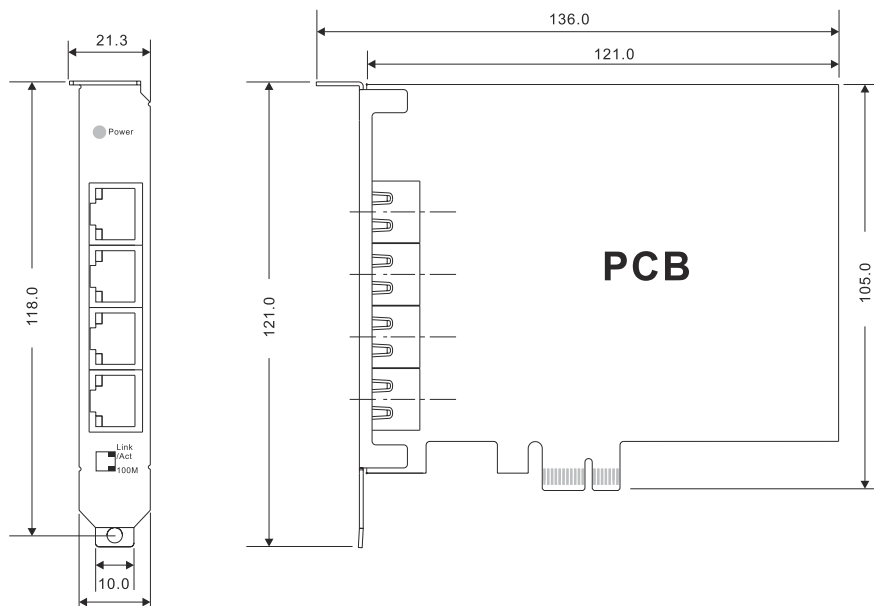- Support flow control

Introduction

IGCS-E140 is an PCI-Express unmanaged Gigabit Ethernet switch card. The Ethernet switch card is a high performance LAN controller. IGCS-E140 provided 4x10/100/1000Base-T(X) auto MDI/MDIX Ethernet ports. IGCS-E140 could be installed on any IPC motherboard with PCIe socket to make the IPC/embedded system able to communication with other Ethernet devices. The IGCS-E140's full bandwidth capability boasts a robust 1000Mbps capability through the PCI Express bus architecture. IGCS-E140 no need to purchase a new switch or broadband router because the auto-negotiation feature works with your existing switch, broadband router, or hub to provide the highest network speed available. The automatic full duplex capability further increases bandwidth and eliminates packet collisions by allowing data to flow in both directions at the same time. Therefore, IGCS-E140 is the best solution to IPC/embedded system to feature Ethernet network.

Practical Operation

IGCS-E140 can be used in connecting several Ethernet devices like IP-Camera or other Ethernet devices.

IGCS-E140

PLC   IP Camera   IP Phone   NAS

Dimensions

(Unit=mm)

Specifications

ORing Switch Model	IGCS-E140
Physical Ports	
10/100/1000Base-T(X) Ports in RJ45	4
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow control
MAC Table	8K MAC addresses
Processing	Store-and-Forward
LED Indicators	
Power indicator	Green : Power LED x 1
10/100/1000Base-T(X) RJ45 port indicator	Green for port Link/Act. Amber for Collision/Duplex indicator
Power	
Input Power	PCIe bus powered
Power Consumption (Typ.)	4.2 Watts
Overload current protection	Present
Physical Characteristics	
Dimensions (W x D x H)	21.3 (W) x 136 (D) x 121 (H) mm
Weight (g)	98 g
Environmental	
Operating Temperature	-40 to 85℃ (-14 to 185℉)
Operating Temperature	-10 to 60℃ (-14 to 140℉)
Operating Humidity	5% to 95% Non-condensing

Industrial
Ethernet Switch

Industrial
Media Converter

Industrial
Device Server

Industrial Wireless
Access Point

Industrial Cellular
VPN Router

Accessories

Network
Management Software

Regulatory Approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Operating System Supports	
Microsoft System	DOS / Win98 / WinMe / WinXP / Win2000 / WinServer2003 / Vista / WinServer 2008 / Win7 / Win8
Unix (Linux)	Linux for Kernel 3.x / 2.6.x / 2.4.x, FreeBSD for 7.x / 8.0, SCO OpenServer for 6 / UnixWare 7.1.x
Novell	Novell client for DOS (ODI driver) / Novell server driver (Support OS 5.x and 6.x)
Others	MacOS 10.4 / 10.5 / 10.6 / 10.7
Warranty	5 years

Ordering Information

IGCS-E1 **A** **B**

Code Definition	10/100B/1000ase-T(X) Port Number	Additional Port Number
Option	**- 4:** 4 ports	**- 0:** 0 port

Available Model	Model Name	Description
	IGCS-E140	Industrial 4-port PCIe unmanaged Gigabit Ethernet switch card with 4x10/100/1000Base-T(X)

Packing List
- IGCS-E140
- Quick Installation Guide
- ORing Tool CD