



Quick Installation Guide

IGCS-E140

Industrial Unmanaged Gigabit Switch Card

Introduction

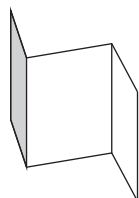
IGCS-E140 is an unmanaged Gigabit Ethernet switch card with PCI Express(PCIe) interface. The Ethernet switch card is a high performance LAN controller and provides 4x10/100/1000Base-T(X) auto MDI/MDIX Ethernet ports. **IGCS-E140** could be installed on any IPC motherboard with PCIe socket to make the IPC/embedded system able to communicate other Ethernet devices. The **IGCS-E140's** full bandwidth capability boasts a robust 1000Mbps capability through the PCIe bus architecture. With **IGCS-E140**, customer doesn't need to purchase a new switch or broadband router because it works well 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.

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

Accessory

- ① QIG ② Dust Cover (RJ-45) ③ CD



Packing list

Model name	Model Description	Accessory
IGCS-E140	Industrial 4-port PCIe unmanaged Gigabit Ethernet switch card with 4x10/100/1000Base-T(X)	① X 1, ② X 4, ③ X 1

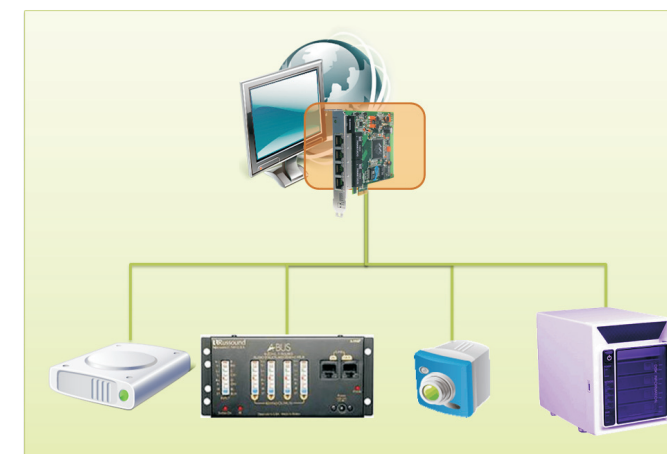
Specifications

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	1K MAC addresses
Processing	Store-and-Forward
LED Indicators	
Power Indicator	Green: LED x 1
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for 100Mbps indicator
Power	
Input Power	PCIe bus powered
Power consumption(Typ.)	4 Watts
Overload current protection	Present
Physical Characteristic	
Dimension (W x D x H)	21.3 (W) x 136 (D) x 121 (H) mm
Weight (g)	98 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-10 to 60°C (14 to 140°F)
Operating Humidity	5% to 95% Non-condensing
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 dor 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

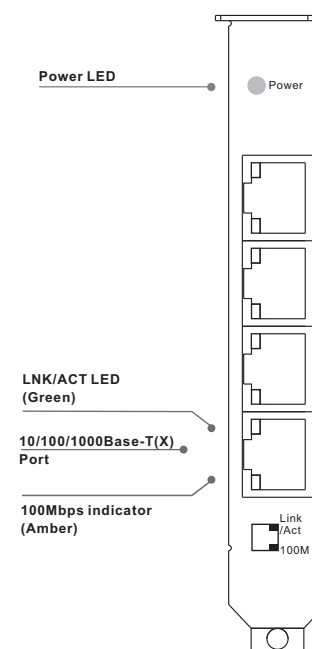
Practical Operation

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

Network connection



Front Panel



ORing Industrial Networking Corp.

Copyright© 2012 ORing
All rights reserved.TEL: +886-2-2218-1066 Website: www.oring-networking.com
FAX: +886-2-2218-1014 E-mail: support@oring-networking.com