4-Port Gigabit Network

Adapter for OCP 3.0

User Manual

Ver. 1.00

Contents:

Chapter 1: Introduction

1.1 Product Introduction

OCP 3.0 card is the latest form factor designed to provide a wide range of networking options as well as other I/O technologies. Our 4-Port Gigabit OCP 3.0 Network Adapter is a flexible and scalable GbE solution providing four RJ45 ports. Based on Intel network controller i350 with performance-enhancing features and power management technologies, this OCP 3.0 Network Adapter provides a quality networking choice for data centers while reducing CPU utilization and power consumption. With the added NC-SI feature, this adapter can also function as a secure networking port for server remote management.

1.2 Features

- OCP 3.0 Form Factor
- Four 1GbE Ports: 4 x RJ45 Connector
- Intel I350 GbE Controller
- Energy Efficient Ethernet (EEE)
- Supports SR-IOV Based Virtualization
- PCIe 2.1 x4 host interface
- Compliant with OCP NIC 3.0 specification
- Supports 4C+ connector
- Supports OCP 3.0 scan chain and FRU NVM
- OCP 3.0 SFF form factor with Pull Tab (Internal Lock option by demand)

1.3 System Requirements

- Windows® Sever 2019/2022

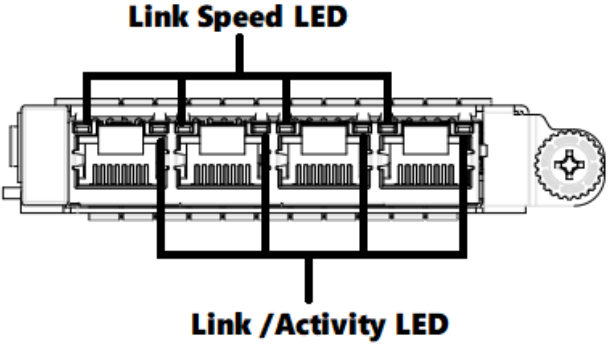
1.4 Product Diagram

1.5 Package Contents

- 1 x 4-Port Gigabit Network Adapter for OCP 3.0
- 1 x User Manual

Chapter 2: Getting Started

2.1 Hardware Layout



Link/Activity Indicator:

LED	Description
Link Speed LED	Indicates Link Speed: • Green=1 Gb/s; Amber=100Mb/s, 10 Mb/s; Not illuminated=No link
Link /Activity LED	Indicates Network Card Activity: • Blinking = Network port is active • Off= Network port is no activity

2.2 Hardware Installation

1. Turn off the power to your computer.
2. Unplug the power cord.
3. Remove the slot bracket from the available OCP slot.
4. To install the OCP, carefully align the card's bus connector with the selected OCP slot on the motherboard. Push the OCP firmly into the motherboard.
5. Reconnect the set screws of the OCP card bracket to secure the card.
6. Reconnect the power cord.

2.3 Driver Installation for Windows

The following section shows you how to install 4-Port Gigabit OCP 3.0 Network Adapter driver on Windows operating systems.

2.3.1 Installation for Windows

1. Go to URL http://www.sunrichtech.com.hk/
2. Search N-830, download the driver.
3. Follow the on-screen instructions to finish installing the driver.

2.3.2 Installation for Linux

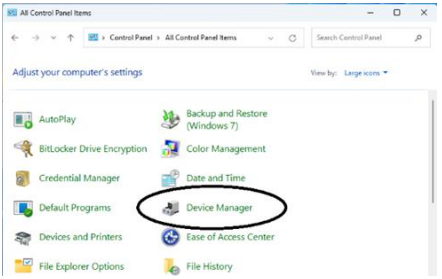
1. Go to URL http://www.sunrichtech.com.hk/
2. Search N-830, download the driver.
3. Follow Readme.txt which is in the driver folder tofinish installing the driver.

2.4 Hardware Verify

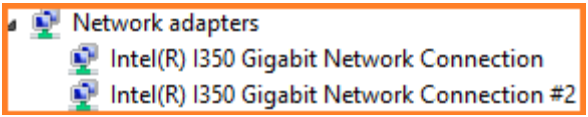
2.4.1 Verifying for Windows

1. Click on the **"Device Manager"** tab in the Windows Control Panel.

Start > Control Panel > Device Manager



2. Expand **"Network adapters"** item, and you can read **"Intel(R) I350 Gigabit Network Connection"** in the Device Manager.



2.4.2 Verifying for Linux

1. You can check whether the driver is loading by using following commands:

   # lsmod | grep igb

   # ifconfig –a

   If there is a device name, ethX, shown on the monitor, the linux driver is load. Then, you can use the following command to activate the ethX.

   # ifconfig ethX up, where X=0,1,2,…