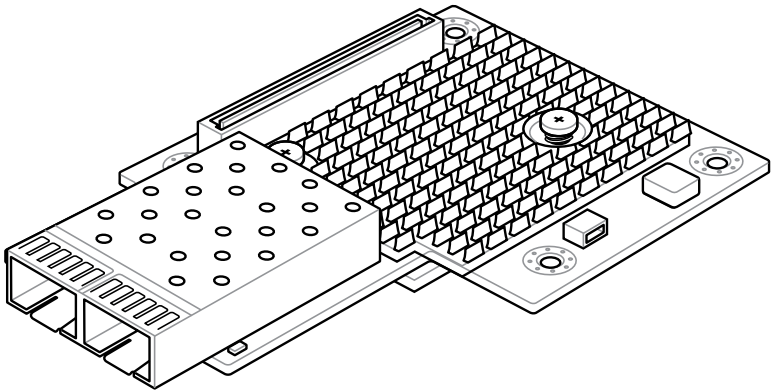




MCI-10G/82599-2S

10 Gigabit/s Ethernet card User Guide



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About this guide

This user guide contains the information you need when installing and configuring the server management board.

How this guide is organized

This guide contains the following parts:

- **Chapter 1: Product Introduction**

This chapter describes the MCI-10G/82599-2S Ethernet card features and the new technologies it supports.

- **Chapter 2: Boot Agent Configuration**

This chapter provides instructions on setting the Intel(R) Boot Agent XE.

- **Chapter 3: Driver Installation**

This chapter provides instructions for installing the Ethernet card drivers on different operating systems.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**

The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

2. **Optional documentation**

Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

Conventions used in this guide

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.



DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Instructions that you **MUST** follow to complete a task.



NOTE: Tips and additional information to help you complete a task.

Typography

Bold text

Indicates a menu or an item to select.

Italics

Used to emphasize a word or a phrase.

<Key>

Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key.

Example: <Enter> means that you must press the Enter or Return key.

<Key1+Key2+Key3>

If you must press two or more keys simultaneously, the key names are linked with a plus sign (+).

Example: <Ctrl+Alt+Del>

Command

Means that you must type the command exactly as shown, then supply the required item or value enclosed in brackets.

Example: At the DOS prompt, type the command line:

format a:

MCI-10G/82599-2S specifications summary

Speed & Ports	10 Gigabit/s Ethernet SFP+ Dual Port
Ethernet Controller PHY	Intel® 82599 10 Gigabit Ethernet Controller
Connector & module type	LC Fiber Optic Supports SFP+ SR Optical Module, SFP+ LR Optical Module, Direct Attached Copper*
Host Interface	PCI-E Gen2 x8
Form factor	OCP 2.0 Mezzanine
Supported Cable Type	SMF up to 10km (LR) MMF 62.5/50um up to 300m (SR) Passive Twin-AX up to 10m (SFP+ Direct Attach)
Features	PXE boot iSCSI boot NC-SI interface (Supported on port 1) to an external Manageability Controller (MC)

* Please refer to ASUS website for Approved Vendor List (AVL).

** Specifications are subject to change without notice.

Product Introduction

1

This chapter offers the MCI-10G/82599-2S Ethernet card features and the new technologies it supports.

1.1 Welcome!

Thank you for buying an ASUS® MCI-10G/82599-2S 10 Gigabit/s Ethernet card!
Before you start installing the Ethernet card, check the items in your package with the list below.

1.2 Package contents

Check your package for the following items.

	Standard Gift Box Pack
ASUS MCI-10G/82599-2S Ethernet card	1
Support CD	1
Packing Quantity	1 pc per carton



If any of the above items are damaged or missing, contact your retailer.

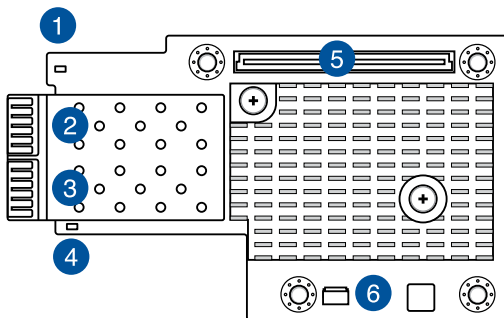
1.3 System requirements

Before you install the MCI-10G/82599-2S Ethernet card, check if the system meets the following requirements:

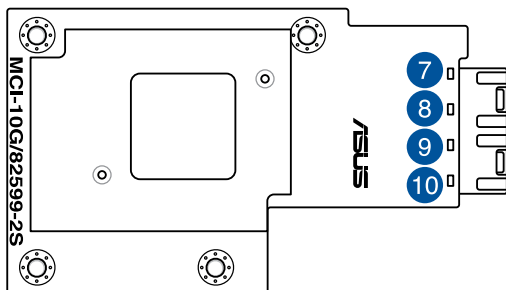
- Server or workstation motherboard with an OCP slot.
- Supported operating systems are Windows® and Linux operating systems. Please refer to ASUS website for the latest updates.

1.4 Card layout

Front view



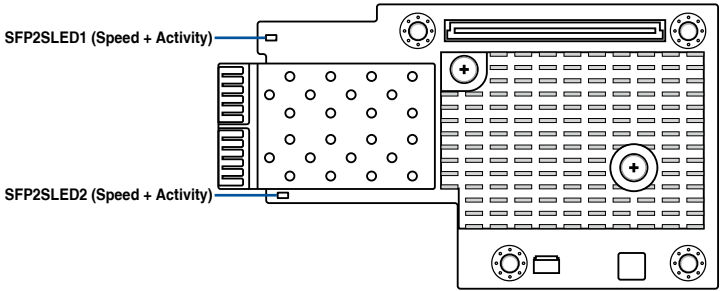
Back view



- | | |
|---|----------------------------|
| 1. SFP2SLED1 (Speed + Activity) | 6. AUXLED_CON1 Connector |
| 2. SFPCON1 (LC Fiber Optic Connector 1) | 7. SFP2SLED1_2 (Speed) |
| 3. SFPCON2 (LC Fiber Optic Connector 2) | 8. SFP2SLED1_1 (Activity) |
| 4. SFP2SLED2 (Speed + Activity) | 9. SFP2SLED2_2 (Speed) |
| 5. MPLUG1 (PCI Express Gen2 x8 interface) | 10. SFP2SLED2_1 (Activity) |

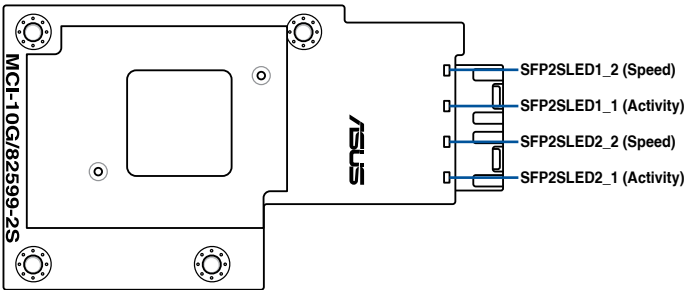
1.5 LED indications

Front view



Activity / Link + Speed LED (SFP2SLED1 / SFP2SLED2)	
Status	Description
OFF	No link 100 Mb/s link Data activity and 100 Mb/s link
Yellow	1 Gb/s link
Blinking Yellow	Data activity and 1 Gb/s link
Green	10 Gb/s link
Blinking Green	Data activity and 10 Gb/s link

Back view

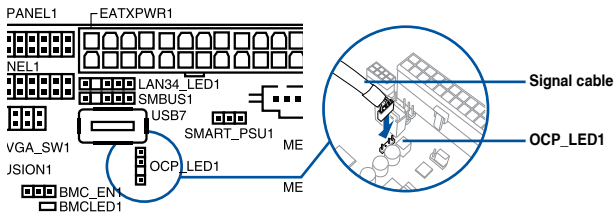


Activity / Link LED (SFP2SLED1_1 / SFP2SLED2_1)		Speed link LED (SFP2SLED1_2 / SFP2SLED2_2)	
Status	Description	Status	Description
OFF	No activity	OFF	100 Mb/s link
Green	Link	Yellow	1 Gb/s link
Blinking Green	Data activity	Green	10 Gb/s link

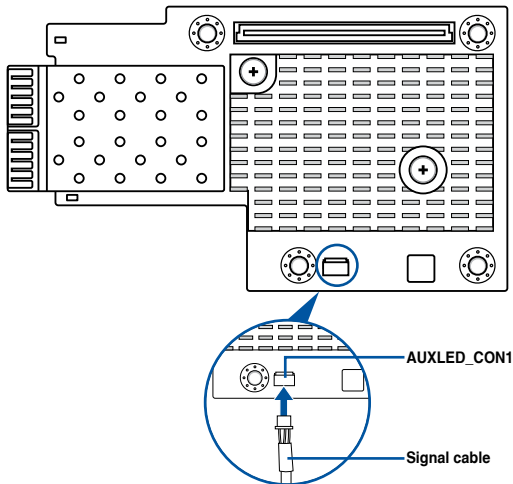
1.6 Installing the MCI-10G/82599-2S Ethernet card

To install a MCI-10G/82599-2S Ethernet card:

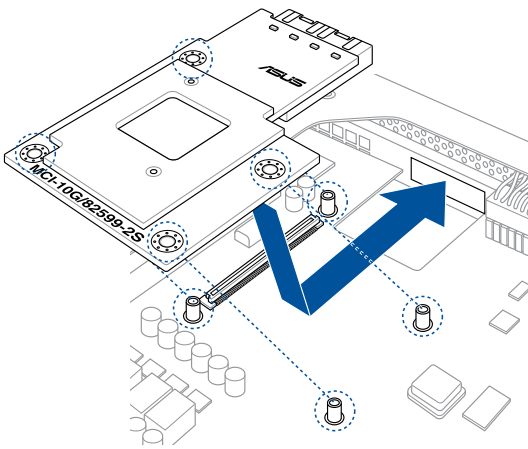
1. Prepare the Mezzanine card.
2. Connect the black end of the signal cable to the OCP_LED1 header on the motherboard.



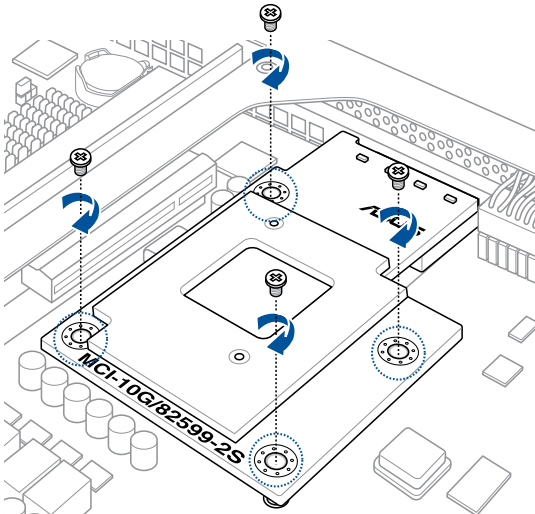
3. Connect the white end of the signal cable to the AUXLED_CON1 Connector on the card.



4. Align and insert the screw holes of the MCI-10G/82599-2S Ethernet card into the stand screws, then insert the ports of the MCI-10G/82599-2S Ethernet card into the port slots on the server chassis as shown.



5. Secure the MCI-10G/82599-2S Ethernet card with the four (4) bundled screws.



Boot Agent Configuration

This chapter provides instructions on setting the Intel(R) Boot Agent XE.

2

2.1 Intel(R) Boot Agent XE

The Intel(R) Boot Agent XE provides hardware-based Ethernet card configurations.

To start the Intel(R) Boot Agent XE and access the main screen:

1. Turn on the system.
2. During POST, press <Ctrl+S> when the following screen appears.

```
Initializing Intel(R) Boot Agent XE v2.3.58
PXE 2.1 Build 092 (WEM 2.02)

Press Ctrl-S to enter Configuration Menu
```

3. From the **Setup Menu** screen, use the Up/Down arrow key to select an item and press <Space> to change the value.

```
Intel(R) Boot Agent XE v2.3.58
Setup Menu

Network Boot Protocol  PXE (Preboot eXecution Environment)
Boot Order             Use BIOS Setup Boot Order
Show Setup Prompt     Enabled
Setup Menu Wait Time  2 seconds

Diagnostic Support Information
MAC Address 00E018122209 PBA Number FFFFFFFF-0FF
Memory DE180000 I/O E0000 IRQ 0A UMB C9000
PCI ID 8086/1563/1043/8712/01 Slot 0100
Flags 01810:4000:0000:0000:1103:L

Select remote boot protocol.

<Esc>      <Space>      <Enter>      <F4>
Cancel Changes  Change Value  Next Option  Save Configuration
```

Network Boot Protocol

This item allows you to select the boot protocol.

Configuration options: [PXE (Preboot eXecution Environment)]

Boot Order

This item allows you to select the order in which boot devices are queried.

Configuration options: [Use BIOS Setup Boot Order]

Show Setup Prompt

This item allows you to select whether Ctrl+S message appears during initialization.

Configuration options: [Disabled] [Enabled]

Setup Menu Wait Time

This item allows you to select the number of seconds to wait for Ctrl+S during initialization.

Configuration options: [0 seconds] [2 seconds] [3 seconds] [5 seconds]

2.2 Intel(R) iSCSI Remote Boot

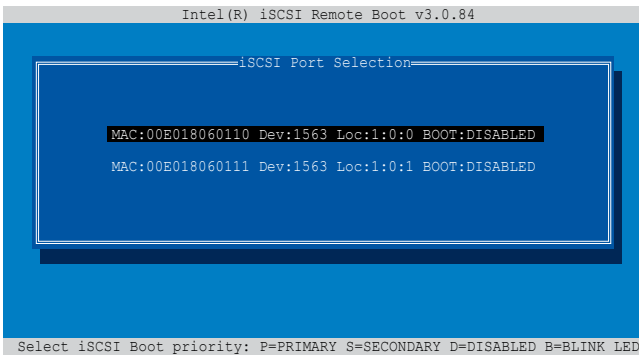
The Intel(R) iSCSI Remote Boot provides hardware-based Ethernet card configurations.

To start the Intel(R) iSCSI Remote Boot and access the main screen:

1. Turn on the system.
2. During POST, press <Ctrl+D> when the following screen appears.

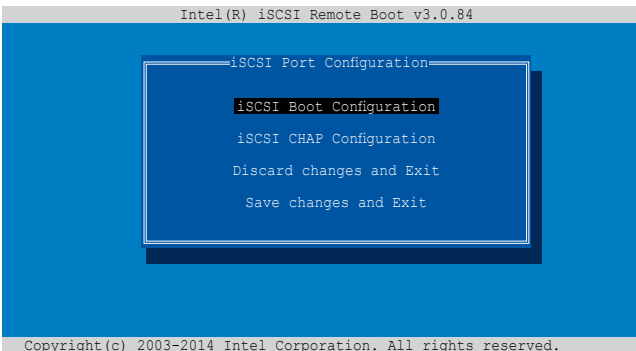
```
Intel(R) iSCSI Remote Boot version 3.0.84
Copyright(c) 2003-2014 Intel Corporation. All rights reserved.
Press ESC key to skip iSCSI boot initialization.
Press <Ctrl-D> to run setup...
```

3. From the **iSCSI Port Selection** screen, use the Up/Down arrow key to select an Ethernet device to configure and press <Enter>.

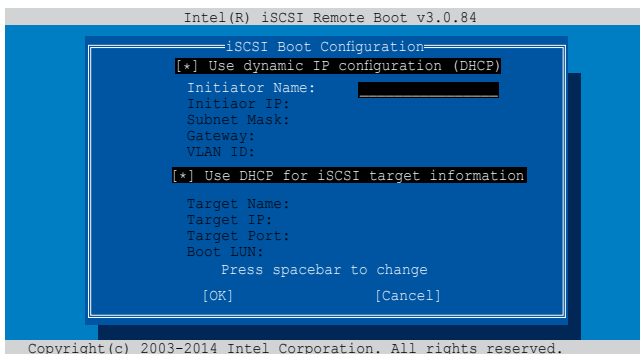


- Press <P> to set the selected item as the primary boot priority, press <S> to set the selected item as the secondary boot priority, or press <D> to disable the selected item.
- Press to blink the LED of the selected item.

4. From the **iSCSI Port Configuration** screen, use the Up/Down arrow key to select an item and press <Enter>.



2.2.1 iSCSI Boot Configuration



Use the Up/Down arrow key to select an item and press <spacebar> to change between Enabled [*] or Disabled [].

[*] Use dynamic IP configuration (DHCP)

When Enabled [*], the iSCSI boot host software acquires the IP address from the DHCP server.

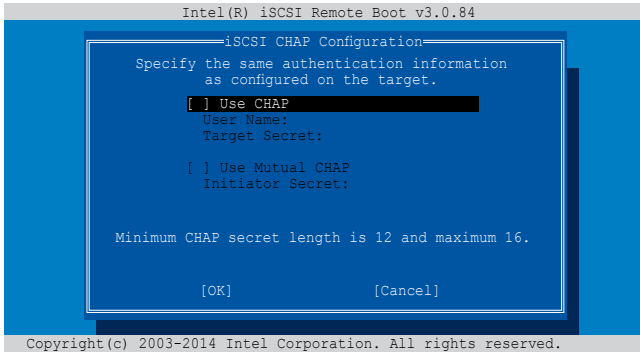
When Disabled [], the iSCSI boot host software acquires the static IP address. Key in the necessary parameters.

[*] Use DHCP for iSCSI target information

When Enabled [*], the iSCSI boot host software acquires its iSCSI target parameters from the DHCP server.

When Disabled [], the iSCSI boot host software acquires its iSCSI target parameters via the static IP address. Key in the necessary parameters.

2.2.2 iSCSI CHAP Configuration



Use the Up/Down arrow key to select an item and press <spacebar> to change between Enabled [*] or Disabled [].

[*] Use CHAP

When Enabled [*], the iSCSI boot host software uses CHAP authentication when connecting to the iSCSI target. Key in the necessary parameters.

When Disabled [], the iSCSI boot host software does not attempt to boot from the iSCSI target after successfully connecting to it. The control will then return to the system BIOS so that the next boot device may be used.

[] Use Mutual CHAP

When Enabled [*], the iSCSI boot host software uses a Mutual CHAP authentication when connecting to the iSCSI target. Key in the necessary parameters.

When Disabled [], the iSCSI boot host software does not use a Mutual CHAP authentication when connecting to the iSCSI target.

2.3 Intel(R) Ethernet Flash Firmware Utility

The Intel(R) Ethernet Flash Firmware Utility allows you to switch between PXE option ROM and iSCSI option ROM. Note that only one option ROM can be used at a time.

To install the PXE option ROM:

1. Locate the **BootIMG.FLB** and **Bootutil.exe** files in the PXE folder on your SDVD.
2. Copy the **BootIMG.FLB** and **Bootutil.exe** files to a bootable USB storage device.
3. Enter DOS environment.



The utility must run under pure DOS environment. It cannot run in a DOS box on Windows system. You should boot from a DOS floppy without any device drivers

4. Within the DOS environment, enter the directory with the **BootIMG.FLB** and **Bootutil.exe** files.
5. Install the PXE option ROM:

```
bootutil.exe -nic=1 -up=pxe+efi -quiet
```



Port 1 and Port 2 share the same flash.

6. Restart the system.

```
D:\>bootutil.exe -nic=1 -up=pxe+efi -quiet

Intel(R) Ethernet Flash Firmware Utility
BootUtil version 1.6.39.1
Copyright (c) 2003-2017 Intel Corporation

Programming flash on port 1 with flash firmware image
/
Flash update successful

Port Network Address Location Series WOL Flash Firmware Version
==== =====
1 00E018122208 1:00.0 10GbE N/A UEFI,PXE Enabled 2.3.58
2 00E018122209 1:00.1 10GbE N/A UEFI,PXE Enabled 2.3.58

D:\>
```

To install the iSCSI option ROM:

1. Locate the **BootIMG.FLB** and **Bootutil.exe** files in the iSCSI folder on your SDVD.
2. Copy the **BootIMG.FLB** and **Bootutil.exe** files to a bootable USB storage device.
3. Enter DOS environment.



The utility must run under pure DOS environment. It cannot run in a DOS box on Windows system. You should boot from a DOS floppy without any device drivers

4. Within the DOS environment, enter the directory with the **BootIMG.FLB** and **Bootutil.exe** files.
5. Install the iSCSI option ROM:

```
bootutil.exe -nic=1 -up=iscsi -quiet
```



Port 1 and Port 2 share the same flash.

6. Restart the system.

```
D:\>bootutil.exe -nic=1 -up=iscsi -quiet

Intel(R) Ethernet Flash Firmware Utility
BootUtil version 1.6.39.1
Copyright(c) 2003-2017 Intel Corporation

Programming flash on port 1 with flash firmware image
/
Flash update successful

Port Network Address Location Series WOL Flash Firmware Version
==== =====
1 00E018122208 1:00.0 10GbE N/A UEFI,PXE Enabled 2.3.58
2 00E018122209 1:00.1 10GbE N/A UEFI,PXE Enabled 2.3.58

D:\>
```


Driver Installation

3

This chapter provides instructions for installing the Ethernet card drivers on different operating systems.

3.1 Windows® Server OS Driver Installation

To update the Ethernet card driver for Windows® Server OS:

1. Restart the computer, and then log on with **Administrator** privileges.
2. Insert the Support CD to the optical drive. The Support CD automatically displays the **Drivers** menu if Autorun is enabled in your computer.

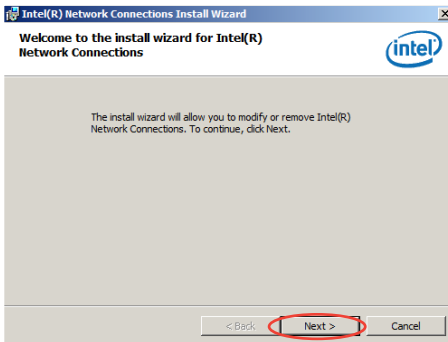


- If Windows® automatically detects the LAN controllers and displays a New Hardware Found window, click **Cancel** to close this window.
- If Autorun is NOT enabled in your computer, browse the contents of the Support CD to locate the file **Setup.exe**. Double-click **Setup.exe** to run the CD.

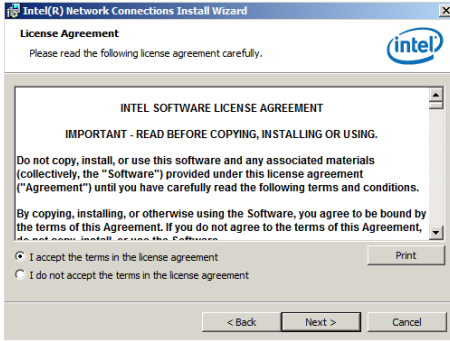
3. Click **Intel(R) 82599 10 Gigabit Dual Port Network Connection Driver**, then select **Install Drivers and Software**.



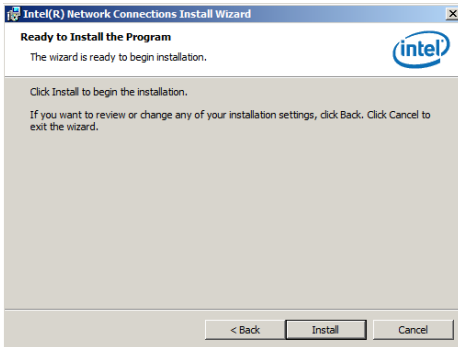
4. Click **Next** when the **Intel(R) Network Connections Install Wizard** window appears.



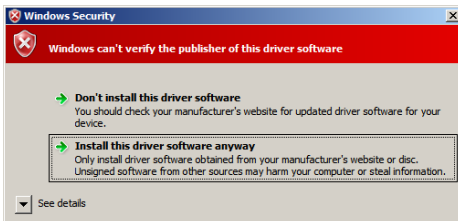
5. Toggle **I accept the terms in the license agreement** and click **Next** to continue.



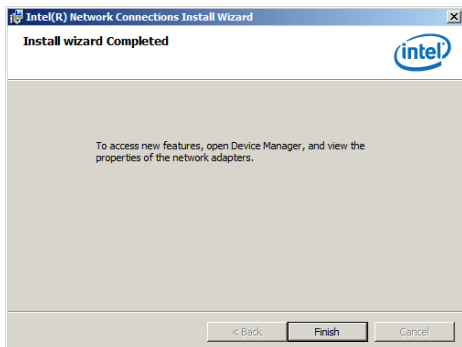
6. Follow the onscreen instructions to complete the installation.



7. If the **Windows Security** window appears during the driver installation, click **Install this driver software anyway** to continue.



8. Click **Finish** to exit the installation wizard.



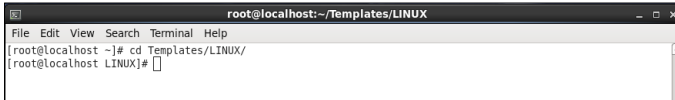
9. Restart the system.

3.2 Linux OS Driver Installation

To install the Ethernet card driver for Linux OS:

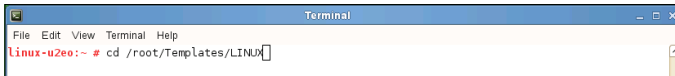
1. Within the Linux Terminal, place the driver in `root/tmp`:

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):



```
root@localhost:~/Templates/LINUX
File Edit View Search Terminal Help
[root@localhost ~]# cd Templates/LINUX/
[root@localhost LINUX]#
```

For SUSE Linux Enterprise Server 11.3:

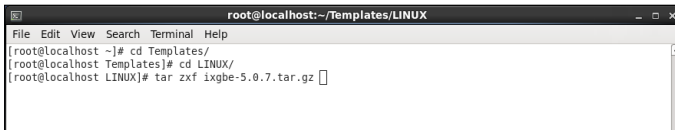


```
Terminal
File Edit View Terminal Help
linux-u2eo:~ # cd /root/Templates/LINUX
```

2. Unzip the driver:

```
tar xzf <Version>.tar.gz
```

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):



```
root@localhost:~/Templates/LINUX
File Edit View Search Terminal Help
[root@localhost ~]# cd Templates/
[root@localhost Templates]# cd LINUX/
[root@localhost LINUX]# tar xzf ixgbe-5.0.7.tar.gz
```

For SUSE Linux Enterprise Server 11.3:




```
Terminal
File Edit View Terminal Help
linux-u2eo:~ # cd /root/Templates/LINUX
linux-u2eo:~/Templates/LINUX # tar xzf ixgbe-5.0.7.tar.gz
```

3. Enter the folder:

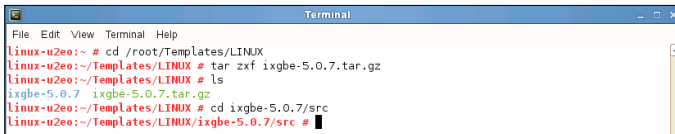
```
cd <Version>/src
```

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):



```
root@localhost:~/Templates/LINUX/ixgbe-5.0.7/src
File Edit View Search Terminal Help
[root@localhost ~]# cd Templates/
[root@localhost Templates]# cd LINUX/
[root@localhost LINUX]# tar xzf ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# ls
ixgbe-5.0.7  ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# cd ixgbe-5.0.7/src
[root@localhost src]#
```

For SUSE Linux Enterprise Server 11.3:

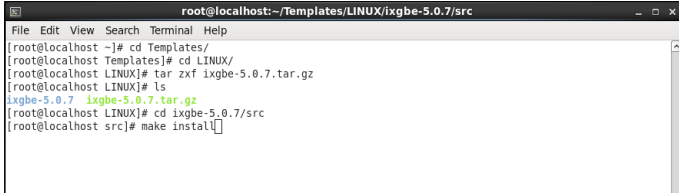


```
Terminal
File Edit View Terminal Help
linux-u2eo:~ # cd /root/Templates/LINUX
linux-u2eo:~/Templates/LINUX # tar xzf ixgbe-5.0.7.tar.gz
linux-u2eo:~/Templates/LINUX # ls
ixgbe-5.0.7  ixgbe-5.0.7.tar.gz
linux-u2eo:~/Templates/LINUX # cd ixgbe-5.0.7/src
linux-u2eo:~/Templates/LINUX/ixgbe-5.0.7/src #
```

4. Install the driver:

```
make install
```

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):



```
root@localhost:~/Templates/LINUX/ixgbe-5.0.7/src
File Edit View Search Terminal Help
[root@localhost ~]# cd Templates/
[root@localhost Templates]# cd LINUX/
[root@localhost LINUX]# tar xzf ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# ls
ixgbe-5.0.7  ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# cd ixgbe-5.0.7/src
[root@localhost src]# make install
```

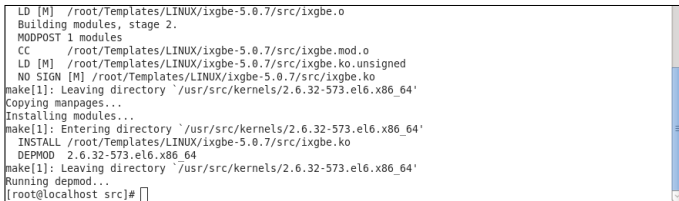
For SUSE Linux Enterprise Server 11.3:



```
Terminal
File Edit View Terminal Help
linux-u2eo:~ # cd /root/Templates/LINUX
linux-u2eo:~/Templates/LINUX # tar xzf ixgbe-5.0.7.tar.gz
linux-u2eo:~/Templates/LINUX # ls
ixgbe-5.0.7  ixgbe-5.0.7.tar.gz
linux-u2eo:~/Templates/LINUX # cd ixgbe-5.0.7/src
linux-u2eo:~/Templates/LINUX/ixgbe-5.0.7/src # make install
```

5. Install complete:

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):



```
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.o
Building modules, stage 2.
MODPOST 1 modules
CC      /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.mod.o
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko unsigned
NO SIGN [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
make[1]: Leaving directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
Copying manpages...
Installing modules...
make[1]: Entering directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
INSTALL /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
DEPMOD 2.6.32-573.el6.x86_64
make[1]: Leaving directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
Running depmod...
[root@localhost src]#
```

For SUSE Linux Enterprise Server 11.3:



```
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.o
Building modules, stage 2.
MODPOST 1 modules
CC      /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.mod.o
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
make[1]: Leaving directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
Copying manpages...
Installing modules...
make[1]: Entering directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
make -C ../../usr/src/linux-3.0.76-0.11 O=/usr/src/linux-3.0.76-0.11-obj/x86_64/default/. modules_install
INSTALL /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
DEPMOD 3.0.76-0.11-default
make[1]: Leaving directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
Running depmod...
linux-u2eo:~/Templates/LINUX/ixgbe-5.0.7/src #
```

6. Check if the LAN card is detected:

service network restart

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11):

```
root@localhost:~/Templates/LINUX/ixgbe-5.0.7/src
File Edit View Search Terminal Help
[root@localhost ~]# cd Templates/
[root@localhost Templates]# cd LINUX/
[root@localhost LINUX]# tar xzf ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# ls
ixgbe-5.0.7  ixgbe-5.0.7.tar.gz
[root@localhost LINUX]# cd ixgbe-5.0.7/src
[root@localhost src]# make install
make[1]: Entering directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
Building modules, stage 2.
MODPOST 1 modules
make[1]: Leaving directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
Copying manpages...
Installing modules...
make[1]: Entering directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
INSTALL /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
DEPMOD 2.6.32-573.el6.x86_64
make[1]: Leaving directory `/usr/src/kernels/2.6.32-573.el6.x86_64'
Running depmod...
[root@localhost src]# service network restart
Shutting down interface eth0:                [ OK ]
Shutting down interface eth1:                [ OK ]
Shutting down loopback interface:           [ OK ]
Bringing up loopback interface:             [ OK ]
[root@localhost src]#
```

For SUSE Linux Enterprise Server 11.3:

```
Terminal
File Edit View Terminal Help
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_procs.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_82598.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_82599.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_x540.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_x550.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_dcb_nl.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_debugfs.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_fcoe.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_ptp.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe_sysfs.o
CC [M] /root/Templates/LINUX/ixgbe-5.0.7/src/kcompat.o
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.o
Building modules, stage 2.
MODPOST 1 modules
CC /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.mod.o
LD [M] /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
make[1]: Leaving directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
Copying manpages...
Installing modules...
make[1]: Entering directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
make -C ../../../../linux-3.0.76-0.11-obj/x86_64/default/. modules_install
INSTALL /root/Templates/LINUX/ixgbe-5.0.7/src/ixgbe.ko
DEPMOD 3.0.76-0.11-default
make[1]: Leaving directory `/usr/src/linux-3.0.76-0.11-obj/x86_64/default'
Running depmod...
Linux-u2e0:~/Templates/LINUX/ixgbe-5.0.7/src # service network restart
Shutting down network interfaces: . . . . . done
Hint: you may set mandatory devices in /etc/sysconfig/network/config
Setting up network interfaces: . . . . . done
Setting up service network . . . . .
SuSEfirewall2: Setting up rules from /etc/sysconfig/SuSEfirewall2 ...
SuSEfirewall2: Warning: no interface active
SuSEfirewall2: batch committing...
SuSEfirewall2: Firewall rules successfully set
Linux-u2e0:~/Templates/LINUX/ixgbe-5.0.7/src #
```

A series of horizontal lines for taking notes, consisting of 20 parallel lines.

Appendix

A

Simplified EU Declaration of Conformity

English ASUSTeK Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of related Directives. Full text of EU declaration of conformity is available at: www.asus.com/support

Français ASUSTeK Computer Inc. déclare par la présente que cet appareil est conforme aux critères essentiels et autres clauses pertinentes des directives concernées. La déclaration de conformité de l'UE peut être téléchargée à partir du site Internet suivant : www.asus.com/support

Deutsch ASUSTeK Computer Inc. erklärt hiermit, dass dieses Gerät mit den wesentlichen Anforderungen und anderen relevanten Bestimmungen der zugehörigen Richtlinien übereinstimmt. Der gesamte Text der EU-Konformitätserklärung ist verfügbar unter: www.asus.com/support

Italiano ASUSTeK Computer Inc. con la presente dichiara che questo dispositivo è conforme ai requisiti essenziali e alle altre disposizioni pertinenti con le direttive correlate. Il testo completo della dichiarazione di conformità UE è disponibile all'indirizzo: www.asus.com/support

Русский Компания ASUS заявляет, что это устройство соответствует основным требованиям и другим соответствующим условиям соответствующих директив. Подробную информацию, пожалуйста, смотрите на www.asus.com/support

Български С настоящото ASUSTeK Computer Inc. декларира, че това устройство е в съответствие със съществените изисквания и другите приложими постановления на свързаните директиви. Пълният текст на декларацията за съответствие на ЕС е достъпен на адрес: www.asus.com/support

Hrvatski ASUSTeK Computer Inc. ovim izjavljuje da je ovaj uređaj sukladan s bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. Cijeli tekst EU izjave o sukladnosti dostupan je na: www.asus.com/support

Čeština Společnost ASUSTeK Computer Inc. tímto prohlašuje, že toto zařízení splňuje základní požadavky a další příslušná ustanovení souvisejících směrnic. Plné znění prohlášení o shodě EU je k dispozici na adrese: www.asus.com/support

Dansk ASUSTeK Computer Inc. erklærer hermed, at denne enhed er i overensstemmelse med hovedkravene og andre relevante bestemmelser i de relaterede direktiver. Hele EU-overensstemmelseserklæringen kan findes på: www.asus.com/support

Nederlands ASUSTeK Computer Inc. verklaart hierbij dat dit apparaat voldoet aan de essentiële vereisten en andere relevante bepalingen van de verwante richtlijnen. De volledige tekst van de EU-verklaring van conformiteit is beschikbaar op: www.asus.com/support

Eesti Käesolevaga kinnitab ASUSTeK Computer Inc, et see seade vastab asjakohaste direktiivide olulistele nõuetele ja teistele asjassepuutuvatele sätetele. El vastavusdeklaratsiooni täielik tekst on saadaval järgmisel aadressil: www.asus.com/support

Suomi ASUSTeK Computer Inc. ilmoittaa täten, että tämä laite on asiaankuuluvien direktiivien olennaisien vaatimusten ja muiden tätä koskevien säädösten mukainen. EU-yhdenmukaisuusilmoituksen koko teksti on luettavissa osoitteessa: www.asus.com/support

Ελληνικά Με το παρόν, η ASUSTeK Computer Inc. δηλώνει ότι αυτή η συσκευή συμμορφώνεται με τις θεμελιώδεις απαιτήσεις και άλλες σχετικές διατάξεις των Οδηγιών της ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης είναι διαθέσιμο στη διεύθυνση: www.asus.com/support

Magyar Az ASUSTeK Computer Inc. ezennel kijelenti, hogy ez az eszköz megfelel a kapcsolódó irányelvek lényeges követelményeinek és egyéb vonatkozó rendelkezéseinek. Az EU megfeleléségi nyilatkozat teljes szövege innen letölthető: www.asus.com/support

Latviski ASUSTeK Computer Inc. ar šo paziņo, ka šī ierīce atbilst saisto Direktīvu būtiskajām prasībām un citiem citiem saistošajiem nosacījumiem. Pilns ES atbilstības paziņojuma teksts pieejams šeit: www.asus.com/support

Lietuvių „ASUSTeK Computer Inc.“ šiuo tvirtina, kad šis įrenginys atitinka pagrindinius reikalavimus ir kitas svarbias susijusių direktyvų nuostatas. Visą ES atitikties deklaracijos tekstą galima rasti: www.asus.com/support

Norsk ASUSTeK Computer Inc. erklærer herved at denne enheten er i samsvar med hovedsaklige krav og andre relevante forskrifter i relaterte direktiver. Fullstendig tekst for EU-samsvarserklæringen finnes på: www.asus.com/support

Polski Firma ASUSTeK Computer Inc. niniejszym oświadcza, że urządzenie to jest zgodne z zasadniczymi wymogami i innymi właściwymi postanowieniami powiązanych dyrektyw. Pełny tekst deklaracji zgodności UE jest dostępny pod adresem: www.asus.com/support

Português A ASUSTeK Computer Inc. declara que este dispositivo está em conformidade com os requisitos essenciais e outras disposições relevantes das Diretivas relacionadas. Texto integral da declaração da UE disponível em: www.asus.com/support

Română ASUSTeK Computer Inc. declară că acest dispozitiv se conformează cerințelor esențiale și altor prevederi relevante ale directivelor conexe. Textul complet al declarației de conformitate a Uniunii Europene se găsește la: www.asus.com/support

Srpski ASUSTeK Computer Inc. ovim izjavljuje da je ovaj uređaj u saglasnosti sa osnovnim zahtjevima i drugim relevantnim odredbama povezanih Direktiva. Pun tekst EU deklaracije o usaglašenosti je dostupan da adresi: www.asus.com/support

Slovensky Spoločnosť ASUSTeK Computer Inc. týmto vyhlasuje, že toto zariadenie vyhovuje základným požiadavkám a ostatným príslušným ustanoveniam príslušných smerníc. Celý text vyhlásenia o zhode pre štáty EÚ je dostupný na adrese: www.asus.com/support

Slovenščina ASUSTeK Computer Inc. izjavlja, da je ta naprava skladna z bistvenimi zahtevami in drugimi ustreznimi določbami povezanih direktiv. Celotno besedilo EU-izjave o skladnosti je na voljo na spletnem mestu: www.asus.com/support

Español Por la presente, ASUSTeK Computer Inc. declara que este dispositivo cumple los requisitos básicos y otras disposiciones pertinentes de las directivas relacionadas. El texto completo de la declaración de la UE de conformidad está disponible en: www.asus.com/support

Svenska ASUSTeK Computer Inc. förklarar härmed att denna enhet överensstämmer med de grundläggande kraven och andra relevanta föreskrifter i relaterade direktiv. Fulltext av EU-försäkran om överensstämmelse finns på: www.asus.com/support

Українська ASUSTeK Computer Inc. заявляє, що цей пристрій відповідає основним вимогам та іншим відповідним положенням відповідних Директив. Повний текст декларації відповідності стандартам ЄС доступний на: www.asus.com/support

Türkçe ASUSTeK Computer Inc., bu aygıtın temel gereksinimlerle ve ilişkili Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder. AB uygunluk bildirimini tam metni şu adreste bulunabilir: www.asus.com/support

Bosanski ASUSTeK Computer Inc. ovim izjavljuje da je ovaj uređaj sukladan sa bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. Cijeli tekst EU izjave o uskladenosti dostupan je na: www.asus.com/support

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Online support <http://support.asus.com/techserv/techserv.aspx>

* EUR 0.14/minute from a German fixed landline; EUR 0.42/minute from a mobile phone.

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)



Responsible Party Name: **Asus Computer International**

Address: **800 Corporate Way, Fremont, CA 94539.**

Phone/Fax No: **(510)739-3777/(510)608-4555**

hereby declares that the product

Product Name : 10G LAN Card

Model Number : MCI-10G/82599-2S

Conforms to the following specifications:

FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

A handwritten signature in blue ink that reads "Steve Chang". The signature is written in a cursive style and is placed over a light blue rectangular background.

Signature :

Date : July, 7, 2017

Ver. 170324