



Asus MCI-1G/350-2T User Manual

1 gigabit/s ethernet card

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Dual-band wireless-n adapter (for 802.11a/b/g/n wireless networks) (35 pages)

Summary of Contents for Asus MCI-1G/350-2T

[Page 1](#) MCI-1G/350-2T MCI-1G/350-4T 1 Gigabit/s Ethernet card User Guide...

[Page 2](#) Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

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Where to find more information Refer to the following sources for additional information and for product and software updates. ASUS websites The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information. Optional documentation Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer.

[Page 5: Conventions Used In This Guide](#)

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.

[Page 6: Mci-1G/350 Series Specifications Summary](#)

MCI-1G/350 series specifications summary Model Name MCI-1G/350-2T MCI-1G/350-4T
10/100/1000 Mbps 10/100/1000 Mbps Data Rate Per Port 2 ports 4 ports Ports Intel I350-AM2
Intel I350-AM4 Controller RJ45 Connector PCIe 2.0 x4 Host Interface Mezzanine Card (OCP) Form
factor Category-3 or higher for 10BASE-T...

[Page 7: Chapter 1: Product Introduction](#)

Chapter 1: Product Introduction Product Introduction This chapter offers the MCI-1G/350 series Ethernet card features and the new technologies it supports.

[Page 8: Welcome](#)

1 pc per carton Packing Quantity If any of the above items are damaged or missing, contact your retailer. System requirements Before you install the MCI-1G/350 series 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. Chapter 1: Product Introduction...

[Page 9: Card Layout](#)

Card layout Front view MCI-1G/350-2T MCI-1G/350-4T AUXLED_CON1 connector Connector A (PCIe 2.0 x4 Link) LAN port 1 LAN port 3 LAN port 2 LAN port 4 ASUS MCI-1G/350 series...

[Page 10: Led Indications](#)

LED indications Front panel LEDs LAN1 LED LAN2 LED LAN4 LED LAN3 LED MCI-1G/350-2T LAN1 LED LAN2 LED LAN4 LED LAN3 LED MCI-1G/350-4T Model Name LAN Card - Port Front I/O - LED indicator Port 1 LAN3 LED MCI-1G/350-2T Port 2 LAN4 LED Port 1...

[Page 11: Installing The Mci-1G/350 Series Ethernet Card](#)

Installing the MCI-1G/350 series Ethernet card To install a MCI-1G/350 series Ethernet card: Prepare the Mezzanine card. Connect the black end of the signal cable to the OCP_LED1 header on the motherboard. Signal cable OCP_LED1 Connect the white end of the signal cable to the AUXLED_CON1 connector on the card. Signal cable AUXLED_CON1 ASUS MCI-1G/350 series...

[Page 12](#) Align and insert the screw holes of the MCI-1G/350 series Ethernet card into the stand screws, then insert the ports of the MCI-1G/350 series Ethernet card into the port slots on the server chassis as shown. Secure the MCI-1G/350 series Ethernet card with the four (4) bundled screws. Chapter 1: Product Introduction...

[Page 13: Chapter 2: Boot Agent Configuration](#)

Chapter 2: Boot Agent Configuration Boot Agent Configuration This chapter provides instructions on setting the Intel(R) Boot Agent XE.

[Page 14: Intel\(R\) Iscsi Remote Boot](#)

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: Turn on the system. 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.

[Page 15: Iscsi Boot Configuration](#)

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. ASUS MCI-1G/350 series...

[Page 16: Iscsi Chap Configuration](#)

2.1.2 iSCSI CHAP Configuration Intel(R) iSCSI Remote Boot v3.0.84 iSCSI CHAP Configuration Specify the same authentication information as configured on the target. [] Use CHAP User Name: Target Secret: [] Use Mutual CHAP Initiator Secret: Minimum CHAP secret length is 12 and maximum 16. [OK] [Cancel] Copyright(c) 2003-2014 Intel Corporation.

[Page 17: Intel\(R\) Ethernet Flash Firmware Utility](#)

```
==== =====
===== 001FC6FFFF1 1:00.0 Gigabit YES
UEFI,PXE Enabled 1.5.78 001FC6FFFF2 1:00.1 Gigabit YES UEFI,PXE Enabled 1.5.78
001FC6FFFF3 1:00.2 Gigabit YES UEFI,PXE Enabled 1.5.78 001FC6FFFF4 1:00.3 Gigabit YES
UEFI,PXE Enabled 1.5.78 000C6E000072 7:00.0 Gigabit YES FLASH UNknown C:\I350> ASUS
MCI-1G/350 series...
```

[Page 18](#) To install the iSCSI option ROM: Locate the BootIMG.FLB and Bootutil.exe files in the iSCSI folder on your SDVD. Copy the BootIMG.FLB and Bootutil.exe files to a bootable USB storage device. Enter DOS environment. The utility must run under pure DOS environment. It cannot run in a DOS box on Windows system.

[Page 19: Chapter 3: Driver Installation](#)

Chapter 3: Driver Installation Driver Installation This chapter provides instructions for installing the Ethernet card drivers on different operating systems.

[Page 20: Windows ® Server Os Driver Installation](#)

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. Click MCI-1G/350-2T / MCI-1G/350-4T 1GbE Network Adapter Driver, then select Install. The installation window appears. Chapter 3: Driver Installation...

[Page 21](#) Follow the onscreen instructions to complete the installation. ASUS MCI-1G/350 series...

[Page 22: Linux Os Driver Installation](#)

Linux OS Driver Installation To install the Ethernet card driver for Linux OS: Within the Linux Terminal, place the driver in root/tmp : For Red Hat Enterprise Linux 6.9: For Red Hat Enterprise Linux 7.4: For SUSE Linux Enterprise Server 11.3: Unzip the driver: tar xzf <Version>.tar.gz For Red Hat Enterprise Linux 6.9:...

[Page 23](#) Enter the folder: cd <Version>/src For Red Hat Enterprise Linux 6.9: For Red Hat Enterprise Linux 7.4: For SUSE Linux Enterprise Server 11.3: ASUS MCI-1G/350 series...

[Page 24](#) Install the driver: make install For Red Hat Enterprise Linux 6.9: For Red Hat Enterprise Linux 7.4: For SUSE Linux Enterprise Server 11.3: Chapter 3: Driver Installation...

[Page 25](#) Install complete: For Red Hat Enterprise Linux 6.9: For Red Hat Enterprise Linux 7.4: For SUSE Linux Enterprise Server 11.3: ASUS MCI-1G/350 series...

[Page 26](#) Check if the LAN card is detected: service network restart For Red Hat Enterprise

Linux 6.9: For Red Hat Enterprise Linux 7.4: Chapter 3: Driver Installation...

[Page 27](#) For SUSE Linux Enterprise Server 11.3: ASUS MCI-1G/350 series...

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Appendix Appendix...

[Page 30: Simplified Eu Declaration Of Conformity](#)

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[Page 31: Asus Contact Information](#)

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[Page 32](#) Appendix...

This manual is also suitable for:

[Mci-1g/350-4t](#)