



Asus MCI-10G/X550-2T User Manual

Public works control system

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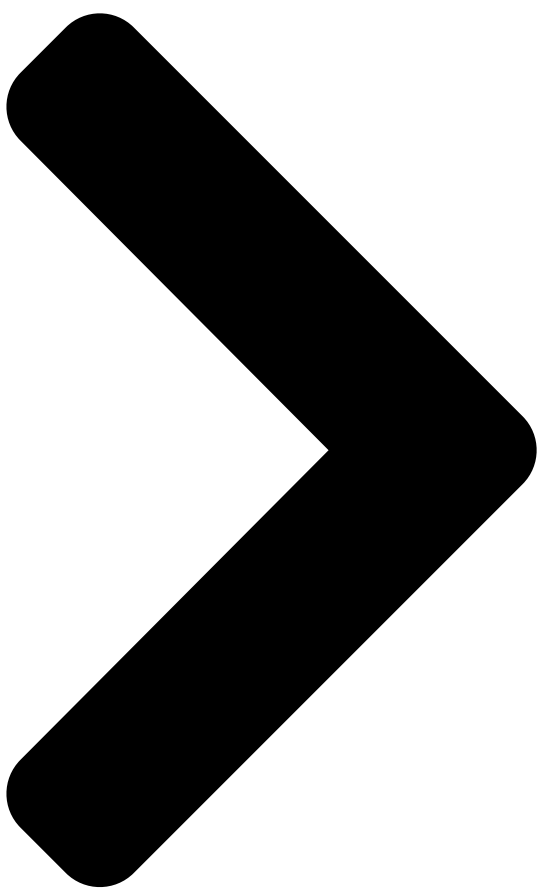
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MCI-10G/X550-
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10 Gigabit/s Ethernet card



User Guide

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Wireless local area network card for 802.11g & 802.11b wireless networks (40 pages)

Summary of Contents for Asus MCI-10G/X550-2T

[Page 1](#) MCI-10G/X550-2T 10 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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.....1-5 Chapter 2: Boot Agent Configuration Intel(R) Boot Agent XE2-2 Intel(R) iSCSI
Remote Boot 2-3 2.2.1...

[Page 4: About This Guide](#)

How this guide is organized This guide contains the following parts: • Chapter 1: Product Introduction This chapter describes the MCI-10G/X550-2T 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.

[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-10G/X550-2T Specifications Summary](#)

Category 7 (Max. length 100 meters) PXE boot iSCSI boot Features Manageability: 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.

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

Product Introduction This chapter offers the MCI-10G/X550-2T Ethernet card features and the new technologies it supports. Chapter 1: Product Introduction...

[Page 8: Welcome](#)

Standard Gift Box Pack ASUS MCI-10G/X550-2T Ethernet card Support CD 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-10G/X550-2T 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.

[Page 9: Card Layout](#)

Card layout Front view Back view LAN1_LED1 (Speed + Activity) 6. PCI Express Gen3 x8 interface AUXLED_CON1 Connector 7. LAN1_LED3 (Speed) RJ45 Copper Connector 1 8. LAN1_LED2 (Activity) RJ45 Copper Connector 2 9. LAN2_LED3 (Speed) LAN2_LED1 (Speed + Activity) 10. LAN2_LED2 (Activity) ASUS MCI-10G/X550-2T...

[Page 10: Led Indications](#)

LED indications Front view LAN1_LED1 (Speed + Activity) LAN2_LED1 (Speed + Activity) Activity / Link + Speed LED (LED1) Status Description 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 LAN1_LED3 (Speed)

[Page 11: Installing The Mci-10G/X550-2T Ethernet Card](#)

Installing the MCI-10G/X550-2T Ethernet card To install a MCI-10G/X550-2T 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 3. Connect the white end of the signal cable to the AUXLED_CON1 Connector on the card. Signal cable AUXLED_CON1 ASUS MCI-10G/X550-2T...

[Page 12](#) Align and insert the screw holes of the MCI-10G/X550-2T Ethernet card into the stand screws, then insert the ports of the MCI-10G/X550-2T Ethernet card into the port slots on the server chassis as shown. Secure the MCI-10G/X550-2T Ethernet card with the four (4) bundled screws. Chapter 1: Product Introduction...

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

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

[Page 14: Intel\(R\) Boot Agent Xe](#)

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: Turn on the system. During POST, press <Ctrl+S> when the following screen appears. Initializing Intel(R) Boot Agent XE v2.3.58 PXE 2.1 Build 092 (WfM 2.02) Press Ctrl-S to enter Configuration Menu From the Setup Menu screen, use the Up/Down arrow key to select an item and press...

[Page 15: Intel\(R\) Iscsi Remote Boot](#)

From the iSCSI Port Configuration screen, use the Up/Down arrow key to select an item and press <Enter>. Intel(R) iSCSI Remote Boot v3.0.84 iSCSI Port Configuration iSCSI Boot Configuration iSCSI CHAP Configuration Discard changes and Exit Save changes and Exit Copyright(c) 2003-2014 Intel Corporation. All rights reserved. ASUS MCI-10G/X550-2T...

[Page 16: Iscsi Boot Configuration](#)

2.2.1 iSCSI Boot Configuration Intel(R) iSCSI Remote Boot v3.0.84 iSCSI Boot Configuration [*] Use dynamic IP configuration (DHCP) Initiator Name: _____ Initiaor IP: Subnet Mask: Gateway: VLAN ID: [*] Use DHCP for iSCSI target information Target Name: Target IP: Target Port: Boot LUN:...

[Page 17: Iscsi Chap Configuration](#)

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. ASUS MCI-10G/X550-2T...

[Page 18: Intel\(R\) Ethernet Flash Firmware Utility](#)

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: Locate the BootIMG.FLB and Bootutil.exe files in the PXE folder on your SDVD.

[Page 19](#) Programming flash on port 1 with flash firmware image Flash update successful Port Network Address Location Series WOL Flash Firmware Version =====
===== =====
00E018122208 1:00.0 10GbE YES UEFI,PXE Enabled 2.3.58 00E018122209 1:00.1 10GbE YES UEFI,PXE Enabled 2.3.58 D:\> ASUS MCI-10G/X550-2T...

[Page 20](#) Chapter 2: Boot Agent Configuration...

[Page 21: Chapter 3: Driver Installation](#)

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

[Page 22: Windows ® Server Os Driver Installation](#)

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-10G/X550-2T 10GBase-T Network Adapter Driver, then select Install Drivers and Software. Click Next when the Intel(R) Network Connections Install Wizard window appears. Chapter 3: Driver Installation...

[Page 23](#) Toggle I accept the terms in the license agreement and click Next to continue. Follow the onscreen instructions to complete the installation. If the Windows Security window appears during the driver installation, click Install this driver software anyway to continue. ASUS MCI-10G/X550-2T...

[Page 24](#) Click Finish to exit the installation wizard. Restart the system. Chapter 3: Driver

Installation...

[Page 25: Linux Os Driver Installation](#)

For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11): For SUSE Linux Enterprise Server 11.3: Enter the folder: cd <Version>/src For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11): For SUSE Linux Enterprise Server 11.3: ASUS MCI-10G/X550-2T...

[Page 26](#) Install the driver: make install For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11): For SUSE Linux Enterprise Server 11.3: Install complete: For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11): For SUSE Linux Enterprise Server 11.3: Chapter 3: Driver Installation...

[Page 27](#) Check if the LAN card is detected: service network restart For Red Hat Enterprise Linux 6.5 (Red Hat Enterprise Linux 5.11): For SUSE Linux Enterprise Server 11.3: ASUS MCI-10G/X550-2T...

[Page 28](#) Chapter 3: Driver Installation...

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Appendix Appendix...

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доступный на: www.asus.com/support Cijeli tekst EU izjave o sukladnosti dostupan je na: www.asus.com/support Türkçe AsusTek Computer Inc., bu aygıtın temel gereksinimlerle ve ilişkili Čeština Společnost ASUSTeK Computer Inc. tímto prohlašuje, že toto Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder.

[Page 31: Asus Contact Information](#)

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[Page 32: Declaration Of Conformity](#)

800 Corporate Way, Fremont Phone/Fax No: (510)739-3777/(510)608-4555 hereby declares that the product Product Name : LAN Card Model Number : MCI-10G/X550-2T 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...