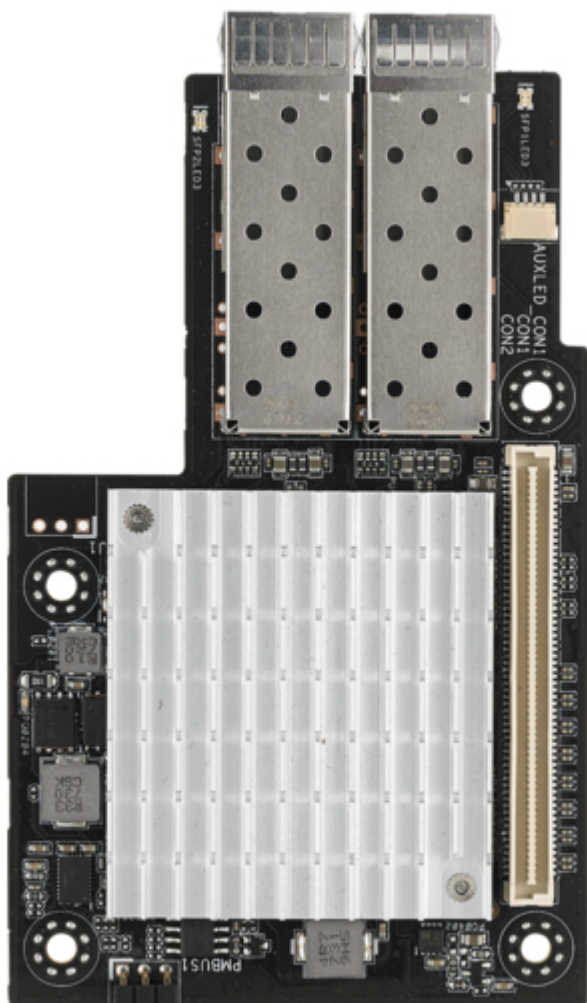




Asus MCC-25G/41202-2S User Manual

25 gigabit ethernet card

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Summary of Contents for Asus MCC-25G/41202-2S

[Page 1](#) MCC-25G/41202-2S 25 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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MCC-25G/41202-2S Ethernet card1-5 Chapter 2: Driver Installation ® Windows Server OS
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[Page 4: About This Guide](#)

How this guide is organized This guide contains the following parts: • Chapter 1: Product Introduction This chapter describes the MCC-25G/41202-2S Ethernet card features and the new technologies it supports. • Chapter 2 Driver Installation This chapter provides instructions for installing the Ethernet card drivers on different operating systems.

[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: Mcc-25G/41202-2S Specifications Summary](#)

MCC-25G/41202-2S specifications summary Cavium QL41202 Controller 25Gbps Ethernet Data Transfer Rate Dual Port, SFP28 Connection Ports PCIe 3.0 x8 Host Interface SR-IOV NIC Partitioning (NPAR) Network Virtualization using Generic Routing Encapsulation I/O Virtualization (NVGRE) Virtual Extensible LAN (VXLAN) Generic Network Virtualization Encapsulation (GENEVE)

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

Product Introduction This chapter offers the MCC-25G/41202-2S Ethernet card features and the new technologies it supports. Chapter 1: Product Introduction...

[Page 8: Welcome](#)

1 pc per carton Packing Quantity * The Front LED Signal Cable is for ASUS Server Systems only. If any of the above items are damaged or missing, contact your retailer. System requirements Before you install the MCC-25G/41202-2S Ethernet card, check if the system meets the following requirements: • Server or workstation motherboard with an OCP slot. ® •...

[Page 9: Card Layout](#)

Card layout Front view Back view SFP1LED3 (Speed) 6. AUXLED_CON1 Connector LAN Port 1 (SFP28 Cage) 7. SFP1LED2 (Speed) LAN Port 2 (SFP28 Cage) 8. SFP1LED1 (Activity) SFP2LED3 (Speed) 9. SFP2LED2 (Speed) OCP 2.0 Connector A 10. SFP2LED1 (Activity) ASUS MCI-10G/82599-2S...

[Page 10: Led Indications](#)

LED indications Front view SFP1LED3 (Speed) SFP2LED3 (Speed) Speed LED (SFP1LED3 / SFP2LED3) Status Description No link Amber 10 Gb/s link Green 25 Gb/s link Back view SFP1LED2 (Speed) SFP1LED1 (Activity) SFP2LED2 (Speed) SFP2LED1 (Activity) Activity / Link LED Speed link LED (SFP1LED1 / SFP2LED1) (SFP1LED2 / SFP2LED2) Status...

[Page 11: Installing The Mcc-25G/41202-2S Ethernet Card](#)

Installing the MCC-25G/41202-2S Ethernet card To install a MCC-25G/41202-2S Ethernet card: Prepare the Mezzanine card. Connect the black end of the LED Signal Cable to the OCP_LED1 header on the motherboard. LED Signal Cable OCP_LED1 3. Connect the white end of the LED Signal Cable to the AUXLED_CON1 Connector on the card. AUXLED_CON1 LED Signal Cable ASUS MCI-10G/82599-2S...

[Page 12](#) Align and insert the screw holes of the MCC-25G/41202-2S Ethernet card into the stand screws, then insert the ports of the MCC-25G/41202-2S Ethernet card into the port slots on the server chassis as shown. Secure the MCC-25G/41202-2S Ethernet card with the four (4) bundled screws. Chapter 1: Product Introduction...

[Page 13: Chapter 2: Driver Installation](#)

Driver Installation This chapter provides instructions for installing the Ethernet card drivers on different operating systems. Chapter 2: Driver Installation...

[Page 14: Windows ® Server Os Driver Installation](#)

® Windows Server OS Driver Installation ® To install the Ethernet card driver for Windows Server OS: Restart the computer, and then log on with Administrator privileges. Insert the Support DVD to the optical drive. The Support DVD automatically displays the Driver menu if Autorun is enabled in your computer.

[Page 15: Linux Os Driver Installation](#)

Copy the sles12sp3 folder on the support DVD onto your system. Install the following drivers: • rpm -Uvh qlgc-fastlinq-kmp-default-<Version>.sles12sp3.x86_64.rpm • rpm -Uvh qlgc-fastlinq-<Version>.sles12sp3.src.rpm Check if the drivers are installed properly: dmesg • To install the Ethernet card driver for other Linux OS, please refer to the INSTALL.txt file under Driver DVD/Linux on the support DVD for more information. • For RDMA function support, please install the RDPM driver under the respective Linux OS folder on the support DVD. ASUS MCI-10G/82599-2S...

[Page 16](#) Chapter 2: Driver Installation...

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Appendix Appendix...

[Page 18: Simplified Eu Declaration Of Conformity](#)

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