



Asus AAEON BIO-ST02-C4M1 User Manual

Bio daughter board

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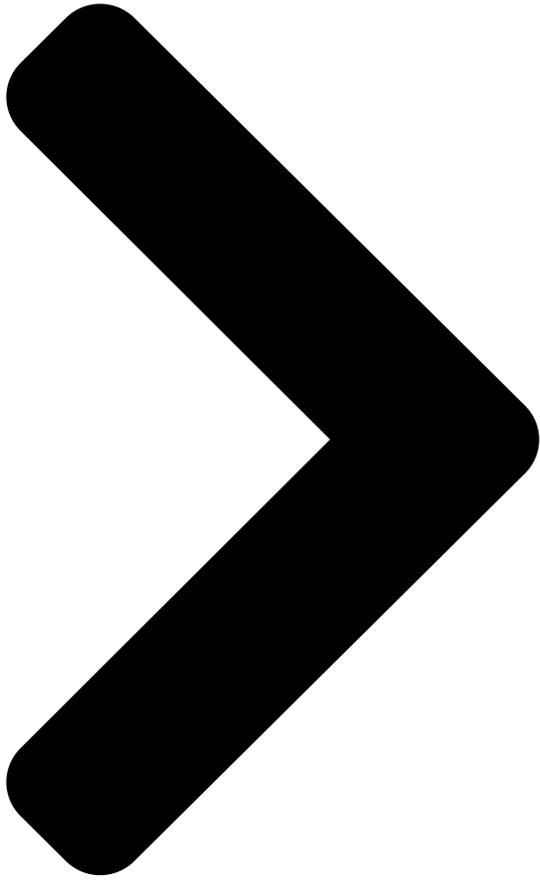
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User Manual 1

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Last Updated: November 10, 2015



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Related Manuals for Asus AAEON BIO-ST02-C4M1

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Board (11 pages)

[PCI Card Asus PCE-AC55BT Quick Start Manual](#)

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(10 pages)

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[PCI Card Asus NX1001 Quick Installation Manual](#)

Pci fast ethernet adapter (4 pages)

Summary of Contents for Asus AAEON BIO-ST02-C4M1

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Information...

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Block Diagram Chapter 2 - Hardware Information...

[Page 18: List Of Connectors](#)

List of Connectors Please refer to the table below for all of the board's jumpers that you can configure for your application Label Function UIM Card Socket MiniCard Slot (Full-MiniCard) COM Port 2 COM Port 1 USB 2.0 Port 1 COM Port 4 (D-SUB 9) COM Port 3 (D-SUB 9) CN10...

[Page 19: Uim Card Socket \(Cn1\)](#)

2.3.1 UIM Card Socket (CN1) Pin Name Signal Type Signal level UIM_PWR UIM_RST UIM_CLK UIM_VPP UIM_DATA 2.3.2 MiniCard Slot (Full-MiniCard) (CN2) Pin Name Signal Type Signal level PCIE_WAKE# +3.3VSB +3.3V +1.5V +1.5V PCIE_CLK_REQ# UIM_PWR UIM_DATA PCIE_REF_CLK-DIFF UIM_CLK PCIE_REF_CLK+ DIFF UIM_RST Chapter 2 -...

[Page 20](#) UIM_VPP W_DISABLE# +3.3V PCIE_RST# +3.3V PCIE_RX- DIFF +3.3VSB +3.3V PCIE_RX+ DIFF +1.5V +1.5V SMB_CLK +3.3V PCIE_TX- DIFF SMB_DATA +3.3V PCIE_TX+ DIFF USB_D- DIFF USB_D+ DIFF +3.3VSB +3.3V +3.3VSB +3.3V Chapter 2 - Hardware Information...

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+1.5V +1.5V +3.3VSB +3.3V 2.3.3 COM Port 2 (CN4) Pin Name Signal Type Signal level $\pm 9V \pm 9V$ Chapter 2 - Hardware Information...

[Page 22: Com Port 1 \(Cn5\)](#)

$\pm 9V$ 2.3.4 COM Port 1 (CN5) Pin Name Signal Type Signal level $\pm 9V \pm 9V \pm 9V$ 2.3.5 USB 2.0 Port 1 (CN6) 2 3 4 Chapter 2 - Hardware Information...

[Page 23: Com Port 4 \(D-Sub 9\) \(Cn7\)](#)

Pin Name Signal Type Signal level +5VSB USB_D- DIFF USB_D+ DIFF 2.3.6 COM Port 4 (D-SUB 9) (CN7) Pin Name Signal Type Signal level $\pm 9V \pm 9V \pm 9V$ 2.3.7 COM Port 3 (D-SUB 9) (CN9) Chapter 2 - Hardware Information...

[Page 24: Bio Connector \(Cn10\)](#)

Pin Name Signal Type Signal level $\pm 9V \pm 9V \pm 9V$ 2.3.8 BIO Connector (CN10) Pin Name Signal Type Signal level +12VSB +12V PCIE_TXN0 DIFF PCIE_RXN0 DIFF PCIE_TXP0 DIFF PCIE_RXP0 DIFF Chapter 2 - Hardware Information...

[Page 25](#) PS_ON# +5VSB +5VSB +5VSB +5VSB PCIE_REF_CLK0 DIFF RESET# PCIE_REF_CLK0# DIFF Chapter 2 - Hardware Information...

[Page 26](#) USB_D0- DIFF USB_D0+ DIFF USB_D1- DIFF USB_D1+ DIFF Chapter 2 - Hardware Information...

[Page 27](#) SMB_CLK +3.3V SMB_DATA +3.3V WAKE# +3.3V USB_OC0# +3.3V USB_OC1# +3.3V LPC_AD0 +3.3V LPC_FRAME# +3.3V LPC_AD1 +3.3V SERIRQ +3.3V LPC_AD2 +3.3V LPC_DRQ +3.3V LPC_AD3 +3.3V GPIO0 +3.3V Chapter 2 - Hardware Information...

[Page 28](#) AGND LPC_CLK +3.3V AUD_LINEOUT_L PME# AUD_LINEOUT_R Chapter 2 - Hardware Information...

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Chapter 3 Chapter 3 - BIOS and Drivers Installation...

[Page 30: Bios Update](#)

BIOS Update In order for the main board to recognize the BIO daughter board, you will have to

update its BIOS so that necessary system configurations can be performed. Please contact AAEON FAE for the BIOS update, or get more information about the update on <http://www.aaeon.com> Chapter 3 -...

[Page 31: Drivers Installation](#)

Drivers Installation Please follow the steps below to install the drivers for BIO-ST02-C4M1, which can be found in <http://www.aaeon.com/tw/support/download.php> Step 1 - Install Serial Port Drivers For Windows XP Open the patch.exe file in the folder Follow the instructions Drivers will be installed automatically For Windows 7 -...

[Page 32](#) Method 2 Change User Account Control settings to Never notify Reboot and log in as administrator Chapter 3 - BIOS and Driver Installation...

[Page 33](#) Run patch.bat as administrator Chapter 3 - BIOS and Driver Installation...

[Page 34](#) For Windows 8: Open the Apps Screen, right click on the Command Prompt tile and select Run as Administrator To install the driver (patch.bat), you will first have to locate the file in command prompt. To do that, first go to the directory which contains the file by entering <drive letter>: eg.

[Page 35](#) <folder> command again to access the subfolder (screenshot below is for reference only). Reboot after installation completes. To confirm the installation, go to Device Manager, expand the Ports (COM & LPT) tree and double click on any of the COM ports to open its properties.

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