

User Guide

Dual Port Gigabit PCIe x1 Network Adapter

Model No.: XM-NA3820

For the most up-to-date information, please visit www.x-mediausa.com

Version 2.0



Contents

Package Cor	itents	3
Chapter 1	Product Overview	
	1.1 Introduction	3
	1.2 Features	3
	1.3 LED Status	4
Chapter 2	Installation Guide	4
	2.1 Hardware Installation	4
	2.2 Software Installation	5
	2.2.1 For Windows 7	5
Appendix A:	Specification	8

TRADEMARKS

MS-DOS, Microsoft, Windows 95/98/98SE/NT/2000/ME/XP/7/8/8.1/10 are trademarks of Microsoft Corporation Apple, Macintosh and Mac are trademarks of Apple, Inc.

*All other third-party brands and names are the property of their respective owners



Package Contents

The following items should be found in the package:

- XM-NA3820 Dual Gigabit PCIe x1 Network Adapter
- Low profile bracket
- One CD Disk contains Drivers and User Guide

Note: The above list is for reference only. The actual content may differ according to the product you purchased. Please save the original packaging material for future reference. If any of the listed items are damaged or missing, please contact with your seller.

Conventions

The "Adapter" mentioned in this User Guide stands for XM-NA3820 without any explanations.

<u>Chapter 1</u> Product Overview

1.1 Introduction

The Adapter, XM-NA3820 is a highly integrated and cost-effective Dual Gigabit PCIe Ethernet Adapter which is fully compliant with IEEE 802.3, IEEE 802.3u and IEEE 802.3ab standards. This Dual Gigabit network adapter keep low cost and eliminate usage barriers. It is the easiest way to upgrade a network environment from 10/100Mbps to 1000Mbps. It supports 10/100Mbps network speed automatically both in Half-Duplex and Full-Duplex transfer mode, and 1000Mbps in Full-Duplex transfer mode, by using Auto Negotiation technology to detect the network speed.

1.2 Features

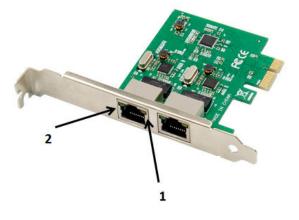
- Fully complies with IEEE 802.3, 802.3u, 802.3ab standards
- Support IEEE 802.1p Layer 2 Priority Encoding; IEEE 802.1q VLAN Tagging
- Support Half/Full Duplex mode and 802.3x Flow Control
- Compliant with PCI Express Revision 1.1 Standard
- PCI-Express 1-Lane (x1) Interface



- Support 10/100/1000Mbps NWAY Auto Negotiation
- Support Jumbo Frame to 9K bytes
- Support ACPI, PCI power management
- Wake-on-LAN and remote wake-up support
- Crossover Detection & Auto-Correction
- Support Standard and Low-Profile Chassis
- LED indicator for monitoring Link/Act

1.3 LED Status

The Link/Act LED of Adapter indicates 10/100/1000Mbps status. They will light when connection is built, and glitter when the Adapter is transmits and receive data.



- 1. 100Mbps Link/ACT LED
- 2. 1000Mbps Link/ACT LED

Note: When 10Mbps connection is built, (1) & (2) LED will not blink.

Chapter 2 Installation Guide

2.1 Hardware Installation

To Install the Adapter, please follow these steps listed below:

- 1. Turn off your computer and unplug the power cord and all cables
- 2. Remove your computer's case cover



- 3. Locate an available PCIe slot
- 4. Remove the screw that secures the slot bracket (the small piece of metal that covers the opening for PCIe card on the back panel of your computer), then remove the slot bracket
- 5. Carefully insert the Adapter into the PCIe slot. Please avoid touching the gold connector of the Adapter
- 6. Secure the Adapter to the case by using the screw you removed from the slot bracket
- 7. Reinstall your computer's case cover
- 8. Plug in the power cord and all other cables, and then turn on your computer

2.2 Software Installation

This section will guide you through the installation procedures for Windows 7. Please follow the steps.

2.2.1 For Windows 7 Installation

- 1. Insert the CD driver disk into CD-ROM drive. The Autorun setup program will display, or you click on the "Browse CD" to find other OS drivers in the CD.
- 2. Click Driver Installation button to install.
- 3. Restart Windows to complete the installation.

Besides, you can also use the following way to update driver software:

- 1. Insert the CD driver disk into the CD-ROM drive.
- 2. Right click the icon Computer on the desktop, and then click Manage

diewu	Install_Win7 Snipping Tool	
ielmi	Open	
	Manage 💙	
	Map network drive	
	Disconnect network drive	
Net	Create shortcut	
	Delete	
-	Rename	
6	Properties	
ecycle	Bio	
and the second		

Figure 2.1

3. The Computer Management screen will appear. Click Device Manager, and then



Dual Gigabit PCIe x1 Network Adapter

you will see various options on the right side. Click **Other Devices**, and then from the drop-down list, please find **Ethernet Controller**. Right-click it and then select **Update Driver Software**.

File Action View Help	N 2 N 15		
Computer Management (Joca Computer Management (Joca Computer Management (Joca Computer Management Computer Man	August Computer Computer Computer Disk drives Display adapters Display adapters Wonktors Keyboards Monitors Monitors Monitors Portable Portable Portable Portable Porcessoi Uning Processoi Uning Sond vi	ollers ing devices te Driver Software	

Figure 2.2

4. The **Update Driver Software** window will show up. Select **Browse my computer** for driver software.

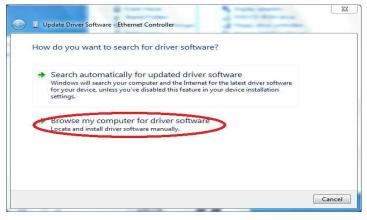


Figure 2.3

5. Browse and choose the system driver location from Computer, and then click **Next**.



Dual Gigabit PCIe x1 Network Adapter

Update Driver Software - Ethernet Control	ller
Browse for driver software on you	r computer
Search for driver software in this location:	
Ariver	Browse
☑ Include subfolders	
Let me pick from a list of devi This list will show installed driver softw software in the same category as the de	are compatible with the device, and all driver
	Next Cancel

Figure 2.4

6. Wait a few seconds for the installation.

Update Driver Software - Ethernet Controller	23
Installing driver software	

Figure 2.5

7. Click **Close** to finish the installation.





Appendix A: Specification

Specifications:				
Standards:	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1q, 802.1p			
Interface:	32-bit PCIe x1 Standard			
	2*10/100/1000Mbps RJ-45 port			
Data Transfer Rate:	10/100/1000Mbps for Half-Duplex mode			
	20/200/2000Mbps for Full-Duplex mode			
Network Media:	10Base-T: UTP Cat. 3, 4, 5, cable (Maximum 100m)			
	EIA/TIA-568 100Ω STP (Maximum 100m)			
	100Base-TX: UTP Cat. 5, 5e cable (Maximum 100m)			
	EIA/TIA-568 100Ω STP (Maximum 100m)			
	1000Base-T: UTP Cat. 5e, 6 cable (Maximum 100m)			
Jumbo Frame:	9K Bytes			
Flow Control:	IEEE 802.3x Flow Control (Full Duplex)			
LEDs:	Link/Act			
Operating Temperature:	0° ~ 40° C (32° ~ 104° F)			
Storage Temperature:	-40° ~ 70° C			
Operating Humidity:	10% ~ 90% Non-Condensing			
Storage Humidity:	5% ~ 90% Non-Condensing			
Supported OS:	Windows 2000/XP/Vista/7/8/8.1/10; Linux			
Emission(EMI):	FCC; CE			