

10Gb Ethernet PCIe Adapter

Quick Install Guide

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning! This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE-Mark Warning

This equipment complies with the requirements relating to the EMC Directive 2014/30/EU, and the RoHS Directive 2011/65/EU.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

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1. Introduction

Thanks for the purchasing of your new 5-Speed 10Gb Ethernet PCIe adapter. This document describes the installation of network adapter. This adapter supports 10GBASE-T and NBASE-T Ethernet copper interface. Moreover, the PCIe interface on the Multi-Gigabit Ethernet NIC complies with PCIe Local Bus, is compatible with 32-bit PCIe bus. As a bus master, the NIC requests access to the PCIe bus, instead of waiting to be polled.

1.1 Features

The 10Gb Ethernet PCIe adapter is a cost effective, high-performance network interface card. It operates in NBASE-T and 10GBASE-T modes and integrates easily with Fast Ethernet Switch, Gigabit Ethernet switch and 10Gb Ethernet Switch

- Complies with IEEE 802.3an 10GBASE-T standard
- Complies with IEEE 802.3u 100BASE-T standard
- Complies with IEEE 802.3ab 1000BASE-T standard
- Complies with PCI Express specification, revision 2.0
- PCI Express × 4 Lane host interface
- Supports 10Gb, 5Gb, 2.5Gb, 1Gb and 100Mb Auto-Negotiation
- Supports NBase-T of 2.5 and 5 Gb over Cat 5e cable
- Supports IEEE 802.1Q tagged VLAN
- Jumbo Frame sizes 16K bytes
- Up to 64KB large send
- Low Profile PCIe Form Factor
- Supports full duplex operation
- Rich diagnostic LED: 10GbE Link Green/Act Blinking Green, 5GbE/2.5GbE/1GbE/100M Link Amber/Act Blinking Green
- Plug and Play Installation.
- Supports Microsoft Windows drivers: Win 7 32/64-bit, Win 8.0, Win 8.1 and Win10
- Supports Linux drivers: 3.10, 3.12, 3.2, 4.2 and 4.4.
- Boot Options: UEFI and PXE
- FCC, VCCI and CE class B certification

1.2 Package contents

Caution:

Under ordinary circumstances, this adapter card will not be affected by static charge as may be received through your body during handling of the unit. In special circumstances where you may carry an extraordinarily high static charge, it had better reduce the charge by touching a ground before handling the adapter card.

Open the shipping gift box and carefully remove all items. Please check the following items:

- One 10Gb Ethernet PCIe Adapter
- One low profile bracket
- One drive CD
- One quick install guide

Note:

If any of the listed items are missing, please contact your distributor or reseller

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DECLARATION OF CONFORMITY

In accordance to
EUROPEAN COUNCIL DIRECTIVE
2014/30/EU & 2011/65/EUC



= European Community Conformity Mark

We, Manufacturer/Importer

Longshine Technologie (Europe) GmbH
An der Strusbek 9
22926 Ahrensburg
Germany

Declare That The Product

LCS-6339T

5-speed 10Gbase-T/NBase-T Network Adapter Card

Is In Conformity With:

Standards	Results
EN 55032 :2015/AC :2016 ClassB	Pass
EN 55024: 2010+A1:2019	Pass
EN IEC 61000-3-2:2019	Pass
EN 61000-3-3:2013+A1:2019	Pass
AS/NZS CISPR 32:2015	Pass

Identification of signatory empowered to bind the manufacturer or his authorized representative.

Signature
Manufacturer/Importer

Date: 10.10.2020

2.2 Software Installation

Microsoft Windows

1. Insert the CD into computer.
2. In the Start icon, click the "setting" icon, then click the "Devices" icon.
3. In the "Devices" icon group, click the "Devices manager" icon.
4. In the "Devices manager", double click "Network adapters" icon and choose the "Aquantia AQtion 10Gbit Network Adapter".
5. Click mouse right key, choose the "update Driver Software"
6. In "Browse for driver software on your computer" screen, choose DVD RW Drive (E:) 10G NIC\Windows\64\Win7.
7. Follow the screen instructions and finish the rest of installation procedures.

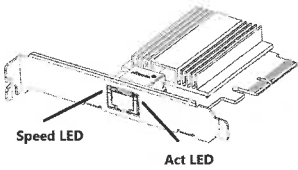
2. Installation

To use the adapter, you need the following components:

- One 32 or 64 bit PCIe master mode expansion slot that is compliant with PCIe bus specifications
- One CD-ROM drive
- The following cables:

Port Type	Media	Max. Distance
100BASE-T	Cat. 5, 5e, 6, 6a or 7 UTP	100 meter
10GBASE-T	Cat. 6a or 7 UTP	100 meter
NBASE-T	Cat. 6, 6a or 7 UTP	100 meter

Hardware layout:



Speed LED	Green: 10GbE Amber: 5GbE/2.5GbE/1GbE/100M
Link/Act LED	Blinking Green: Transmitting Data Green: No Traffic

2.1 Hardware Installation

1. Turn off the computer.
2. Remove the computer's cover, in accordance to its manual.
3. Insert the contact edge of the adapter card into the connector of any available PCIe Bus master expansion slot. Press the card firmly into the connector to PCIe slot. Please make sure that the card's contacts are fully seated in the PCIe slot.
4. Install the bracket screw that secures the card to the Computer chassis.
5. Replace the computer's cover.
6. Connect the network cable to the RJ-45 connector.
7. Remove driver CD from the PC's CD-ROM drive.
8. Turn on the computer.
9. If the BIOS section of your computer's boot program is Plug and Play compliant, then at power up the BIOS will configure any newly installed adapter automatically.

Note:

Due to some Plug-n-Play BIOS programs' problem, it happens occasionally that a newly installed adapter is assigned an interrupt number that is already used by another device adapter. In such a case, the conflict of interrupt number will cause faults in the behavior of both devices. Then it is necessary to run the CMOS Setup utility, and manually assign a non-conflict interrupt number.