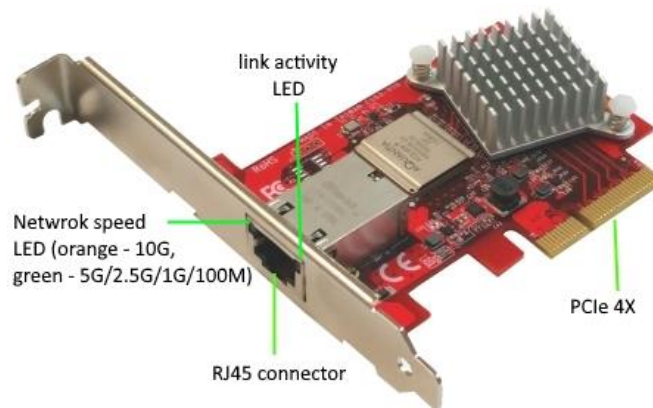
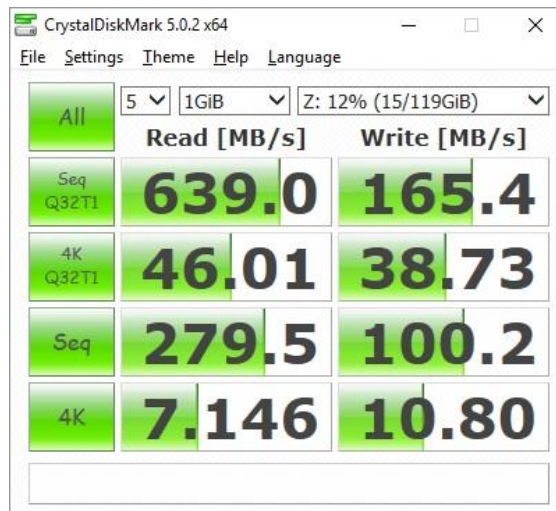


INTRODUCTION

This 10 Gigabit Ethernet Controller instantly adds 10 Gigabit network connection capability to any computer via a PCIe 4X slot. Designed to work with CAT6 cable, this controller can be deployed in existing 1G network infrastructure. On CAT5e cable, this controller can perform at 5G or 2.5G. The controller auto negotiates speed to 10G, 5G, 2.5G, 1G or 100MB to match the speed of the network switches or workstations on the same network. It is a simple and economical solution to upgrade the speed of any 1G network to 5X or 10X the speed.



Below is a CrystalDiskMark result measured over a 10G network from a M2 PCIe SSD installed in a workstation. The SSD has a maximum READ/WRITE speed of ~ 2G/650MB/sec. The result below is meant to provide a representation of the typical maximum performance of this controller when installed into a PCIe 3.0 4X slot. The actual maximum performance in different systems and network varies due to different system hardware and network latency



FEATURES

- Install into PCIe 3.0/2.0 4X slot
- High speed 10Gbps transmission over CAT6 cable
- Can be installed into existing 1G LAN with CAT5e cable
- Supports NBase-T of 2.5 and 5 Gbps over Cat5e cable
- 10Gb, 5Gb, 2.5Gb, 1Gb, 100Mb Auto-Negotiation
- 10Gb LED (orange = 10G, green = 5G/2.5G/1G) and LNK/ACT green LED
- Driver for 32/64 bit Windows 10, 8.1, 8, 7, Server 2012, 2008 R2, Linux 2.6.32 and above
- Regular size PCIe bracket on board and an additional Low Profile bracket included

SPECIFICATIONS

- Fully compliant with IEEE 802.3an (10GBASE-T), IEEE 802.3ab (1GBASE-T), IEEE 802.3u (100BASE-T), IEEE 802.3az (EEE – Energy Efficient Ethernet)
- Compliant with PCI Express Specification, revision 2.0
- PCI Express x4 Lane host interface
- RJ-45 Port offer high speed 10Gbps transmission over CAT 6a cable
- Supports NBase-T of 2.5 and 5 Gbps over Cat 5e cable
- Supports 10Gb, 5Gb, 2.5Gb, 1Gb, 100Mb Auto-Negotiation
- Supports IEEE 802.1Q VLAN tagging
- Jumbo Frame sizes 16K bytes
- Up to 64KB Large Send
- Low Profile PCI Form Factor
- Temperature: Operating 0 to 70 degree C.
- Storage: -25 to 90 degree C.
- Humidity: Operating 20% to 80%
- Non Operating 15% to 90%
- Dimension (W x L x H) ~ 65 x 90 x 15 mm (excluding the PCI mounting bracket)
- Weight ~ 60 grams (0.53 oz.)
- Driver for 32/64 bit Windows 10, 8.1, 8, 7, Server 2012, 2008 R2, Linux 2.6.32 and above