



10Gbps DUAL PORT ETHERNET SERVER ADAPTER



Quick Installation Guide

DN-10163

Introduction

DN-10163 is PCI-e 10Gbps Dual RJ45 Port Ethernet Network Card, based on INTEL X540 Chipset, which is used by many OEMs as a single chip solution for LAN on Motherboard (LOM) to deliver 10 Gigabit Ethernet (10 GbE) on the latest server platforms.

10GBASE-T converged network adapter simplifies migration to 10 GbE, provides iSCSI, FCoE, Virtualization, and Flexible Port Partitioning.

Main Features

- Low cost, low power, 10 Gigabit Ethernet (10GbE) performance for the entire data center
- Standard CAT-6a cabling with RJ45 connectors
- Backward compatibility with existing 1000Base-T networks simplifies the transition to 10GbE
- Flexible I/O virtualization for port partitioning and quality of service (QoS) of up to 64 virtual ports
- Unified networking delivering LAN, iSCSI, and FCoE in one low cost CNA
- Industry first dual-port 10GBase-T adapter with single-chip solution with integrated MAC + PHY
- Reliable and proven 10 Gigabit Ethernet technology from Intel corporation
- Network / Transport Protocol: TCP/IP, UDP/IP, IPSec, iSCS

Package Contents

- 1 x DN-10163 PCIe Network card
- 1 x Low profile bracket
- 1 x User's Manual
- 1 x Driver CD

System Requirements

- FreeBSD, Linux, VMWare ESXi, Win7/ Win-server2012/ Win-server2008/ Win8/Win8.1/ Win-server2016/ win10 / 11
- One available PCI Express x1 slot

Specification

Controller	Intel X540 BT2
Transmission Rate	10000Mbps
Network Standard Physical Layer Interfaces	Cat-6A 10G up to 100m, Cat-6 10G up to 55m Cat-5E/Cat-6/Cat-6A 1G/100M up to 100m
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0°C to 55°C (32°F to 131°F)
Network Virtualization	VMDq, PCI-SIG SR-IOV, Intel VT-c

LED Indicators	10Gb/s: green and green blinking, 1000Mbps/100Mbps: green and orange blinking
Power Supply	PCI Express +12V \pm 8% / +3.3V \pm 9%
System Support	Windows Server 2008 R2 / 2012 / 2012 R2 / 2016 R2
	Windows 7 / 8 / 8.1 / 10 / 11
	FreeBSD 11.0 or later
	Linux SLES 11 / 12 or later
	Linux Stable Kernel version 2.6.x/3.x/4.x or later
	VMware ESX/ESXi 5.x/6.x or later

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