PCI Express Ethernet Network Card (LAN Board) 1- port
CNET1000-1T-PE

This product is a 1-port a PCI Express bus-compliant Ethernet Network Card(LAN Board) which conforms to IEEE802.3ab (1000BASE-T) /IEEE802.3u (100BASE-TX) /IEEE802.3 (10BASE-T) standard.

This product supports a Low-Profile size slot and if replaced with the supplied bracket, supports a standard size slot, too.

Windows/Linux driver is supported with this product.

* The contents in this document are subject to change without notice.
* Visit the CONTEC website to check the latest details in the document.
* The information in the data sheets is as of December, 2023.

* Specifications, color and design of the products are subject to change without notice.

Features

PCI Express bus-compliant Ethernet Network Card(LAN Board) which conforms to IEEE802.3ab (1000BASE-T)
This product is a 1-port a PCI Express bus-compliant Ethernet Network Card(LAN Board) which conforms to IEEE802.3ab (1000BASE-T) /IEEE802.3u (100BASE-TX) /IEEE802.3 (10BASE-T) standard.

Low-Profile size slot and Standard size slot
This product supports a Low-Profile size slot and if replaced with the supplied bracket, supports a standard size slot, too.

Operated in the temperature between -40 °C and +75 °C.
Operated in the temperature between -40 °C and +75 °C.

Windows/Linux compatible driver
Download from the CONTEC website.

Included Items

Product...1
Standard size Bracket...1
Common Guide...1

Support Software

You can use CONTEC support software according to your purpose and development environment.

For more details on the supported OS, applicable languages, or to download the latest version of software, visit the CONTEC Web site.

Name	Contents	How to get
Windows Version	The Windows driver for installer is provided.	Download from the CONTEC website
Linux Version	This is the Linux version.	Download from the CONTEC website

*1   Download the files from the following URL.
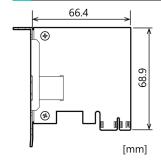https://www.contec.com/download/

Specifications

Function specification

Item	Specifications
Ethernet standards	IEEE802.3ab(1000BASE-T) / IEEE802.3u(100BASE-TX) / IEEE802.3(10BASE-T)
Data transfer rate	10Mbps/100Mbps/1000Mbps (auto-negotiation)
Access method	CSMA/CD
Communications method	All ports: Full/Half duplex (auto-negotiation)
Number of effective ports	RJ45 Connector x1
Jumbo frame	9.5Kbyte
LED indicator	LINK/ACT (Yellow), Speed LED: 10M (OFF), 100M (Green), 1G (Orange)
Power consumption (Max.)	3.3VDC 250mA
Bus specification	PCI Express Base Specification v2.1 Gen 1 (2.5 GT/s) x1
Physical dimensions (mm)	66.4 (L)×68.9 (H)
Weight	50g
OS Compatibility	Windows Server 2019, Windows 10 2019 LTSC, Windows 11 21H2 MIRACLE LINUX 9 Ubuntu 22.04.2 LTS RedHat Enterprise Linux 9.1

Installation Environment Requirements

Item	Description
Operating ambient temperature	-40 - +75°C
Operating ambient humidity	10 - 90%RH (No condensation)
Floating dust particles	Not to be excessive
Corrosive gases	None
Standard	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA

Physical Dimensions

66.4

68.9

[mm]