

Main Features

- Intel® Ethernet Controller i350-AM2
- Support M.2 Key M Card Type
- Flexible daughter board with cable to fit into different system
- Quickly adds four independent Gigabit Ethernet ports through an available PCI Express slot to server or desktop systems.
- Compliant with IEEE 802.3, 802.3u, 802.3ab
- Support IEEE 1588

Product Overview

Cadmus's Dual-Port Gigabit Ethernet Module – NF350D is designed to add two RJ-45 Gigabit Ethernet ports to provide flexible network expansion for all kinds of embedded systems. It delivers up to 1000 Mb/s data transfer rate for high speed, high-bandwidth data or multimedia content transferring.

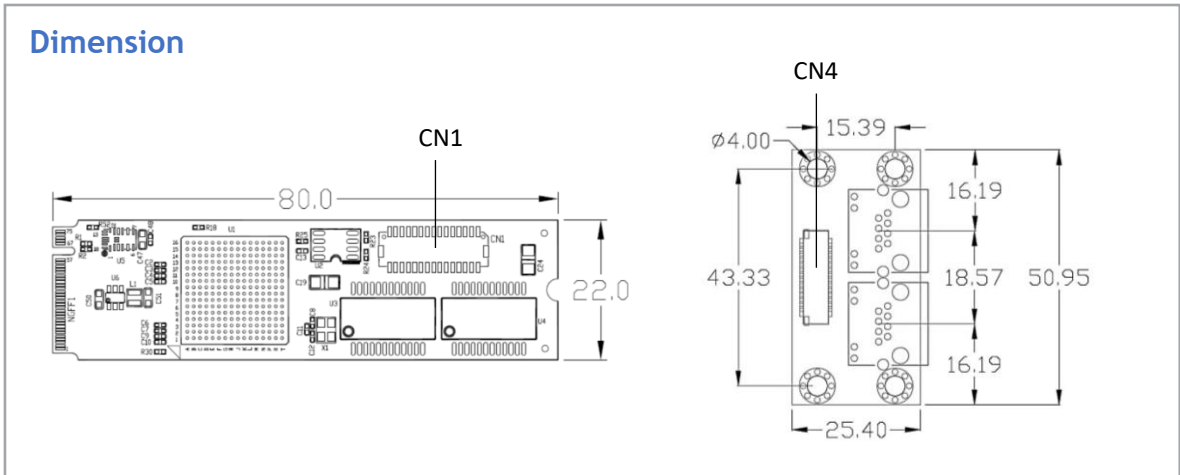
It also supports full duplex mode and power management feature for increased speed and power efficiency. It instantly enhances your networking performance with high speed, high-bandwidth reliable network connectivity from a workstation with 10/100/1000 Ethernet port or without networking capability.

NF350D features innovative power management including Energy Efficient Ethernet (EEE) and DMA Coalescing to increase efficiency and reduce power consumption.

Specifications

Chipset	Intel I350-AM4 Gigabit Ethernet Controller
Bus Interface	PCI-Express, M.2 Key M
Whole Duplex	Compatible Whole Duplex and Half Duplex
Network Interface Type	RJ-45 Copper *2
Transmission Speed	10/100/1000Mbps, PCIe v2.0 (5.0 GT/s)
Transmission Medium Type	100, 1000Mbps with 100 Meter UTP-5e, 10Mbps UTP-3e
Network Standard	IEEE802.3 (10BASE-T, 100BASE-T, 1000BASE-T)
Module	10/100/1000BASE-T
Compatible Operating System	Windows 7 / Windows 8.1 / Windows 10
	Windows Server 2008 / Windows Server 2008 R2 / Windows Server 2012 / Windows Server 2012 R2 / Windows Server 2016 / Windows Server 2019 (ver. 1903)
	Linux (latest ver. 24.1)
Working Temperature	-10°C-55°C

Dimension



Pin definition

CN1

Pin	Description	Pin	Description
1	LINK_100	2	LINK_1000
3	MX_A3-	4	MX_A2-
5	MX_A3+	6	MX_A2+
7	MX_A1-	8	MX_A0-
9	MX_A1+	10	MA_A0+
11	VCC3	12	LINK_ACTIVITY
13	NC	14	NC
15	NC	16	NC
17	NC	18	NC
19	LINK2_100	20	LINK2_1000
21	MX2_A3-	22	MX2_A2-
23	MX2_A3+	24	MX2_A2+
25	MX2_A1-	26	MX_A0-
27	MX2_A1+	28	MX_A0+
29	VCC3	30	LINK2_ACTIVITY

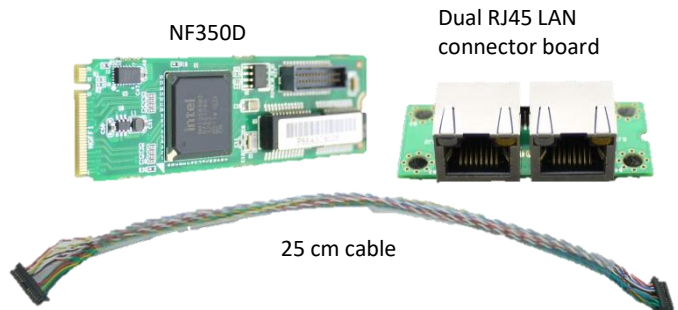
CN4

Pin	Description	Pin	Description
1	LINK2_100	2	LINK2_1000
3	MX2_A3-	4	MX2_A2-
5	MX2_A3+	6	MX2_A2+
7	MX2_A1-	8	MX2_A0-
9	MX2_A1+	10	MX2_A0+
11	VCC3	12	LINK2_ACTIVITY
13	NC	14	NC
15	NC	16	NC
17	NC	18	NC
19	LINK_100	20	LINK_1000
21	MX_A3-	22	MX_A2-
23	MX_A3+	24	MX_A2+
25	MX_A1-	26	MX_A0-
27	MX_A1+	28	MA_A0+
29	VCC3	30	LINK_ACTIVITY

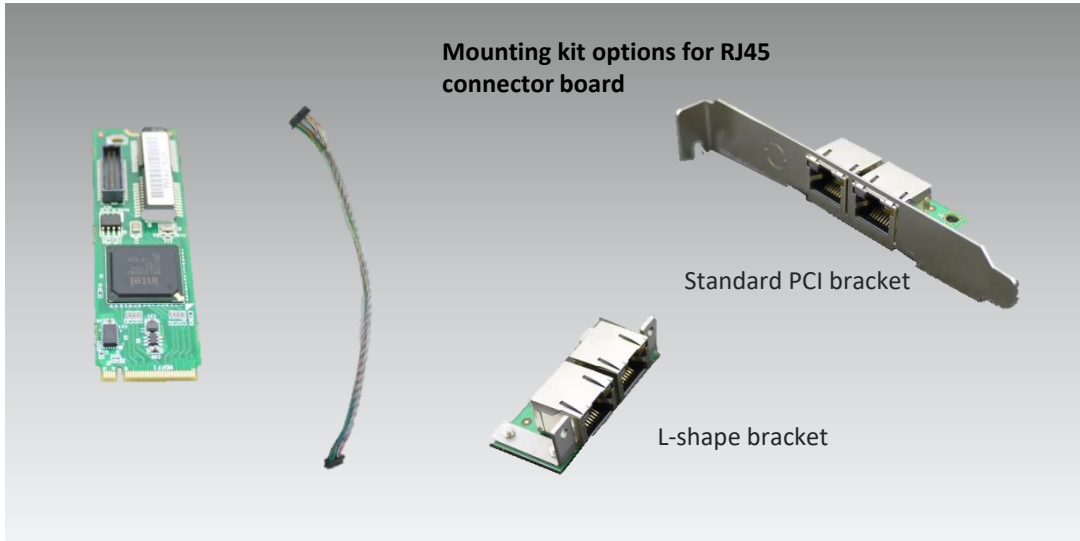
Ordering Information

NF350D

- M.2 Key M , size : 2280
- 2 ports RJ45 with Intel I350 Controller
- With 25cm cable and Dual RJ45 LAN connector board
- Support Intel® Virtualization Technology: VMDq, IEEE1588, SR-IOV, DDIO.



Optional Accessory Kit For PEL series



Mounting kit options for RJ45 connector board

- **43252BKT0001** PCI/PCIe slot bracket
- **4325LBKT0001** L-shape mounting kit

L-Shape Bracket Dimension

