

Main Features

- Intel® Ethernet Controller i210-AT
- PCI Express® Mini Card Specification Revision 1.2 compliant
- Two port Power Sourcing Equipment (PSE) supports up to 48V, 25.5 Watts max. output per port
- Support AT and AF mode ,
IEEE 802.3 AF :
 Support 15.4W/port , 4 port up to 30W
IEEE 802.3 AT :
 Support 25.5W/port , 4 port up to 50W
- Powered Device (PD) auto detection and classification

Product Overview

The PoE9210 2-Port PoE NIC lets you add four Gigabit Power over Ethernet ports through a Mini PCI Express slot. Each port can provide up to 25.5W of power, combining network data and power over a single Ethernet cable for reduced cable clutter and added convenience for remote PoE devices.

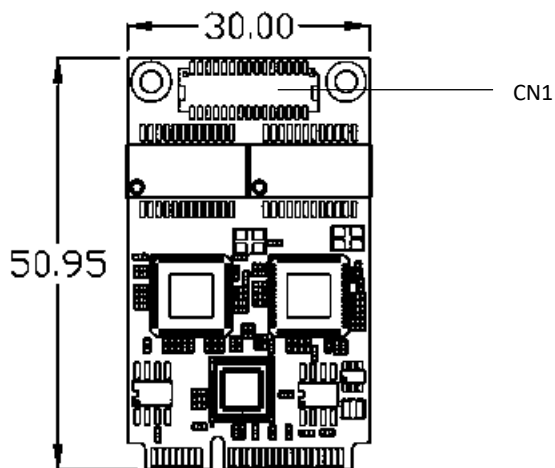
The PoE9210 card supports the IEEE 802.3at standard for Power Sourcing Equipment (PSE), and can deliver up to 48V DC power to compliant Powered Devices (PD). This eliminates the need for a separate power source and data connection for PoE devices such as IP cameras, IP phones or wireless access points.

PoE9210's flexible design – Mini PCIe module / Power Module / Connector board provide customers to customize their features.

Specifications

Chipset	Intel I210 Gigabit Controller
Bus Interface	PCI Express Mini Card Revision 1.2
Whole Duplex	Compatible Whole Duplex and Half Duplex
Network Interface Type	RJ-45 Copper *2
Transmission Speed	10/100/1000Mbps
Power Requirement	12V~36V power input via 4pin STD ATX power connector
Compatibility	Complies with IEEE 802.3at, up to 25.5W at 57V per PoE port Complies with IEEE 802.3af, up to 15.4W at 48V per PoE port
Output PoE Power	Supplies total power up to 100W
Compatible Operating System	Windows 7
	Windows 8.1
	Windows 10
	Windows Server 2008 R2
	Windows Server 2012
	Windows Server 2012 R2
	Windows Server 2008
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Working Temperature	0°C-70°C

Dimension PEL210SB

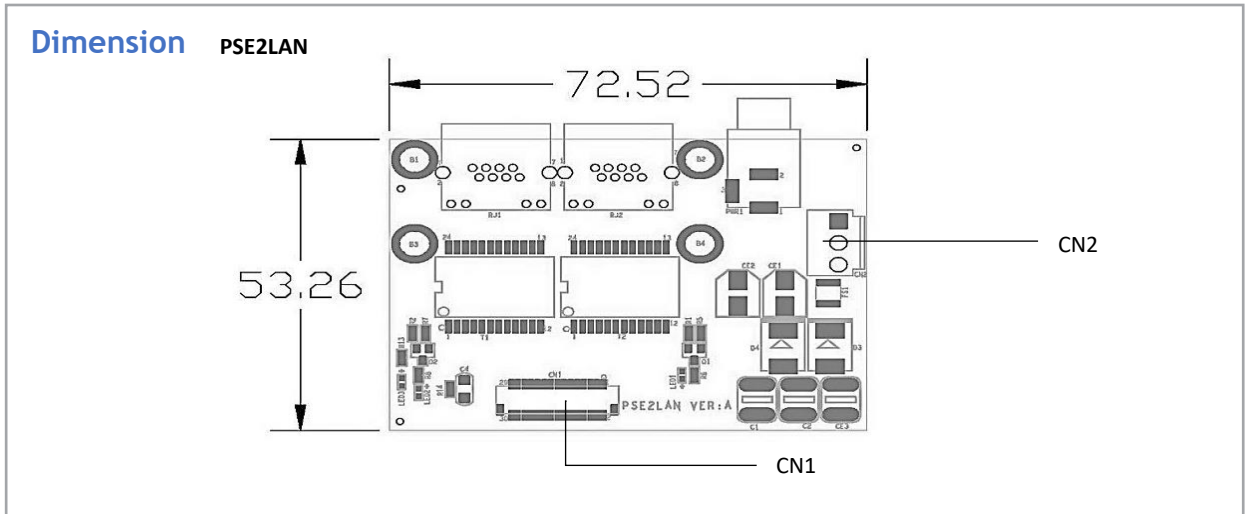


Pin definition

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

Connector to PSE2LAN CN1



Pin definition

CN1

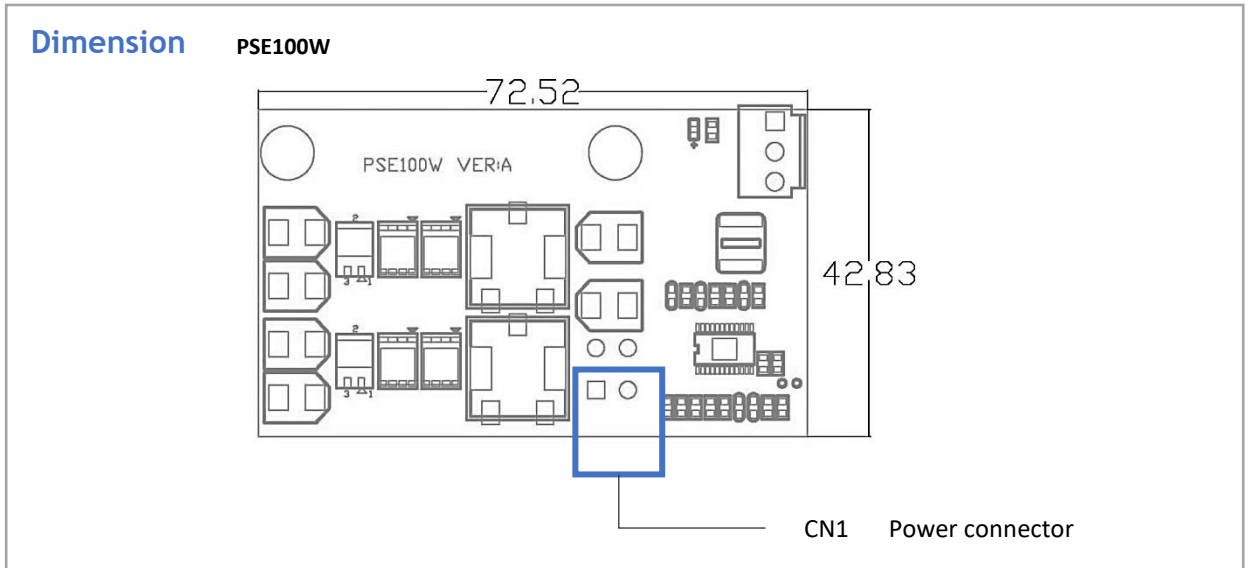
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11	VCC3	12	LINK_ACTIVITY
13	NC	14	NC
15	NC	16	NC
17	NC	18	NC
19	LINK2_100	20	LINK2_1000
21	MX2_A3-	22	MX2_A2-
23	MX2_A3+	24	MX2_A2+
25	MX2_A1-	26	MX_A0-
27	MX2_A1+	28	MX_A0+
29	VCC3	30	LINK2_ACTIVITY

Connector to PEL210SB CN1

CN2

PIN	Description
1	VIN+
2	VIN+
3	VIN-

Connector to PSE100W



Pin definition

CN1

Pin	Description
1	GND_P50V
2	GND_P50V
3	DC_Vin
4	DC_Vin

Support 12V ~36V power input

Ordering Information

PoE9210

- Dual Port PoE Module PCIe4 Gen 2 Intel I210AT Controller compliant with IEEE802.3AT/AF PoE standard, Input voltage range 12V DC to 36V DC
- Select output voltage for PD power supply 48/50/54/57V
- w/ PSE2LAN module + PSE100W module
- With 25cm cable

Front view

