

Startup Manual

Packing List

Before installation, please make sure that you have:

- mPCIe Card with Controller x 1
- 1 x RJ45 I/O Plate with iDoor bracket x 1
- 1 x wired cable
- 1 x Startup Manual
- 1 x Warranty Card

If anything is missing or damaged, contact your distributor or sales representative immediately.

Documentation/Software Support

The support documentation and drivers can be accessed from Advantech website.

- Documentation
- Datasheet

For more information on this and other Advantech products, please visit our website at:

<http://www.advantech.com>

For technical support and service, please visit our support website at:

<http://support.advantech.com.tw/>

This manual is for the PCM-24R1TP-BE.

Part No. 204324R101
Printed in China

1st Edition
January 2023

PIN Assignment

Internal Connection

IO Board & miniPCIe CN1 The Coaxial Cabling form IO board to mPCIe Coaxial Connector(CN1)			
PIN	TYPE	TYPE	PIN
1	GND	GND	22
2	PCIE_TXP	SMBUS_DAT	23
3	PCIE_TXN	SMBUS_CLK	24
4	GND	GND	25
5	PCIE_RXP	PERST#_CN	26
6	PCIE_RXN	PCIE_CLKREQ#	27
7	GND	GND	28
8	PCIE_CLK+	+V3.3	29
9	PCIE_CLK-	+V3.3	30
10	GND	PCIE_WAKE#	31
11	CON_USB2_DP	+V3.3	32
12	CON_USB2_DN	+V3.3	33
13	GND	W_DISABLE#	34
14	CON_USB3_RXDP	+V3.3	35
15	CON_USB3_RXDN	+V3.3	36
16	GND	NA	37
17	CON_USB3_TXDP	+V3.3	38
18	CON_USB3_TXDN	+V3.3	39
19	GND	NA	40
20	NA	GND	41
21	NA	GND	42

LED Indication

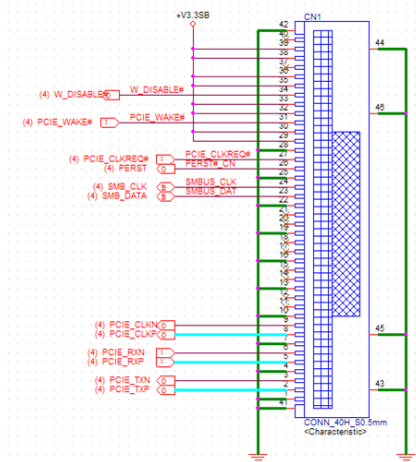
	Active/Connecting	Speed
Side	Right	Left
Color	Green	Green/Orange/Dark

Color indication for speed.

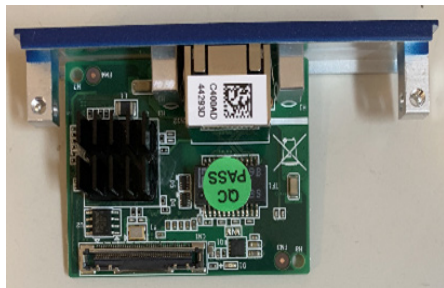
	2.5G	1G	100MB	10MB
Color	Green	Green	Orange	Dark

PIN Assignment (Cont.)

IO Board & miniPCIE CN1



TSN IO Board 9693UD04000

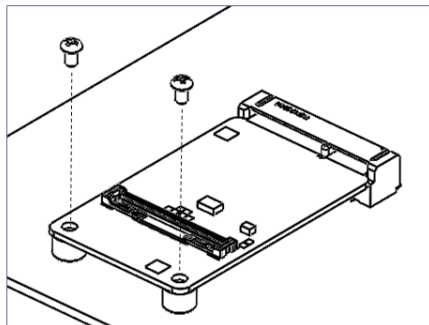


miniPCIE 9693UM01000

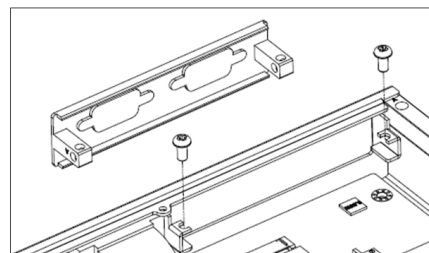


Embedded Computer Installation

1. Insert the mPCIe card and lock the screws.



2. Unscrew to remove the blank expansion plate.



3. Insert the PCM IO plate through the blank plate hole and lock the screws. Connect IO plate to mPCIe card with the cables.

