

PCM-28P1AD

PCIe to mPCIe, 2-Slots mPCIe, iDoor I/O plate expansion

Packing List

Before installation, please make sure that you have:

- 1 x PCIe Card with 2-slot mPCIe expansion
- 1 x iDoor PCIe I/O plate
- 1 x Accessory bag with screws
- 1 x Startup Manual
- 1 x Warranty Card

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

Installation

PCM Module with iDoor technology supports following iAutomation Computing Platforms:

Control DIN-Rail PC UNO-1400 series

Control Cabinet PC UNO-3200/3300/3400 series

*Control Panel Computers TPC-xx82 series (Please contact Advantech)

The PCM-28P1AD works on standard PCI Express interface and supports following PCM iDoor modules.

PCM-24D2R2/PCM-24D2R4

PCM-24D4R2/PCM-24D4R4

PCM-26D2CA/PCM-27D24DI

PCM-2300MR/PCM-23U1DG

PCM-24S2WF/PCM-24U2U3

Please visit Advantech's websites for the latest PCM iDoor modules support information.

See the following page for installation in TPC Embedded Panel Computers and UNO Embedded Computers.

Documentation/Software Support Guide

- The Startup Manual is included in the package. The other support documentation such as datasheets can also be accessed from Advantech's website.

Notes

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

<http://www.advantech.com>

<http://www.advantech.com/eAutomation>

For technical support and service:

<http://www.advantech.com.tw/eservice>

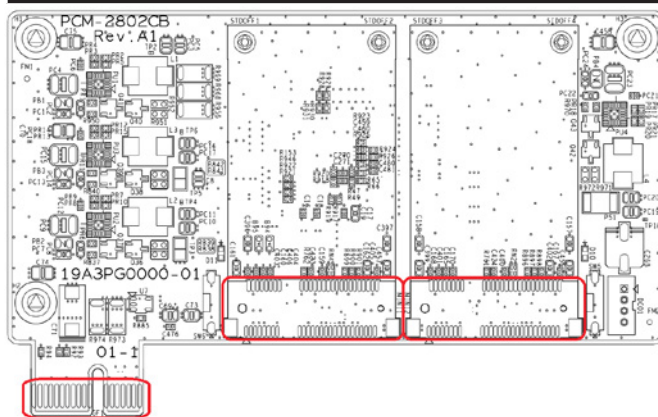
This manual is for PCM-28P1AD

Part No: 200328P100

1st Edition

July 2015

Overview - PCIe Card



PIN Assignment of PCIe/mPCIe Interface

MINI 1 / MINI 2 - mPCIe Card Slot (52-Pin)

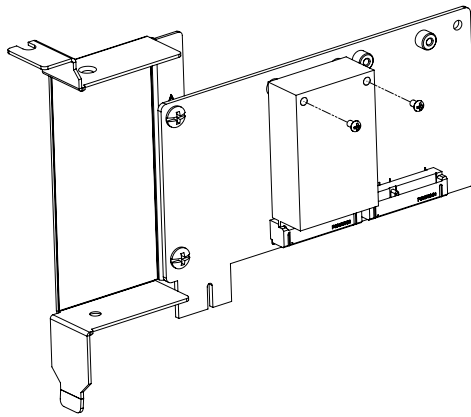
Pin1	MPCIE_WAKE#	Pin2	+V3.3	Pin3	NC
Pin4	GND	Pin5	NC	Pin6	+V1.5
Pin7	MPCIE1_CLKREQ#	Pin8	NC	Pin9	GND
Pin10	NC	Pin11	CLK_PCIE-	Pin12	NC
Pin13	CLK_PCIE+	Pin14	NC	Pin15	GND
Pin16	NC	Pin17	NC	Pin18	GND
Pin19	NC	Pin20	MPCIE_DISABLE#	Pin21	GND
Pin22	MPCIE_RST#	Pin23	PCIE_RX-	Pin24	+V3.3
Pin25	PCIE_RX+	Pin26	GND	Pin27	GND
Pin28	+V1.5	Pin29	GND	Pin30	H_SMB_CLK
Pin31	PCIE_TX-	Pin32	H_SMB_DAT	Pin33	PCIE_TX+
Pin34	GND	Pin35	GND	Pin36	NC
Pin37	GND	Pin38	NC	Pin39	NC
Pin40	GND	Pin41	NC	Pin42	NC
Pin43	GND	Pin44	NC	Pin45	NC
Pin46	NC	Pin47	NC	Pin48	+V1.5
Pin49	NC	Pin50	GND	Pin51	NC
Pin52	+V3.3				

GF1 - PCIe Bus

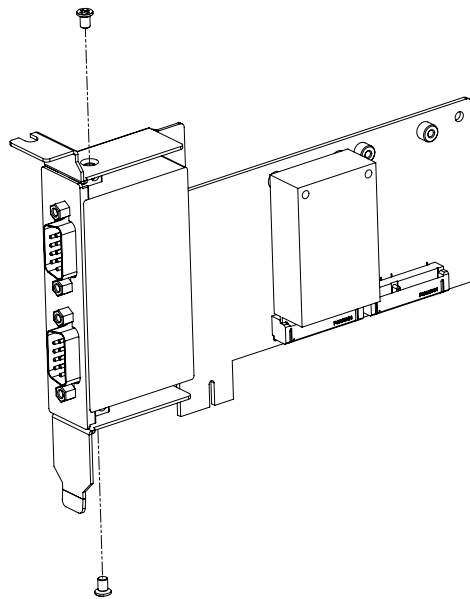
B1	+V12	A1	GND
B2	+V12	A2	+V12
B3	NC	A3	+V12
B4	GND	A4	GND
B5	H_SMB_CLK	A5	NC
B6	H_SMB_DAT	A6	NC
B7	GND	A7	NC
B8	NC	A8	NC
B9	NC	A9	NC
B10	+V3.3SB	A10	NC
B11	H_PCIE_WAKE#	A11	H_PLTRST#
B12	NC	A12	GND
B13	GND	A13	H_PCIE_CLK+
B14	H_PCIE_TX0+	A14	H_PCIE_CLK-
B15	H_PCIE_TX0-	A15	GND
B16	GND	A16	H_PCIE_RX0+
B17	NC	A17	H_PCIE_RX0-
B18	GND	A18	GND

UNO Embedded Computer Installation

1. Insert the mini-PCIe card and secure the screws



2. Insert the PCM Module through the front plate and secure the screws. Attach the PCM Module to the mini-PCIe card with the cable.



3. Insert PCM-28P1AD into PCIe slot and secure the screws on PCIe plate slot.

