

PCM-24U2U3

2-Port USB 3.0, mPCIe, USB-A type Startup Manual



Packing List

Before installation, please make sure that you have:

1. 1 x mPCIe card with controller
2. 1 x 2-Port USB3.0 I/O plate with iDoor bracket
3. 1 x Wired signal cable
4. 1 x Wired power cable
5. 1 x Startup manual
6. 1 x Warranty card

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

Installation

PCM Module with iDoor technology supports following iAutomation Computing Platforms:

- Embedded Automation PC UNO-2200/2300/2400 series
- Control DIN-Rail PC UNO-1200/1300/1400 series
- Control Cabinet PC UNO-3200/3300/3400 series
- Control Panel Computers TPC-xx81/xx82 series*
- Thin Client Panel Computers TPC-xx51 series*

* The platforms may require customized cable for use, please contact with Advantech.

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

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

<http://www.advantech.com>



For technical support and service:

<https://rebrand.ly/searc2a14c>

This manual is for PCM-24U2U3.

Part No. 204324U200
Printed in China

1st Edition
December 2018

Documentation/Software Support Guide

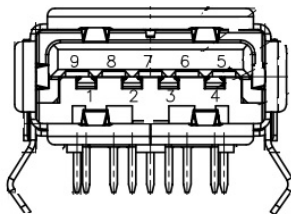
The support documentation and drivers can be accessed from Advantech website.

- Documentation
 - Datasheet
 - StartUp
- Drivers

Pin Assignments

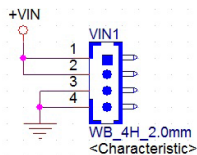
PIN Assignment of USB Type-A Connector (9-Pin)

Pin1	VBUS	Pin2	D-
Pin3	D+	Pin4	GND
Pin5	SSRX-	Pin6	SSRX++
Pin7	GND	Pin8	SSTX-
Pin9	SSTX++		



VIN1- Internal Power Cabling

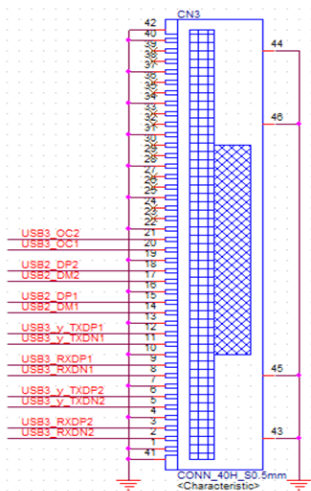
Pin1	+VIN (5V~24V)	Pin2	+VIN (5V~24V)
Pin3	GND	Pin4	GND



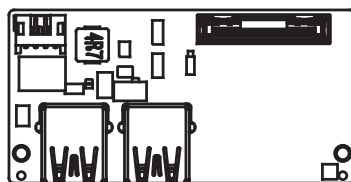
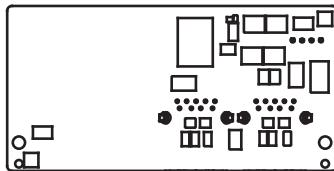
Pin Assignments (Cont.)

CN3 - I/O Board to mPCIe Cabling

PIN1	GND	PIN24	N/A
PIN2	USB3_RXDN2	PIN25	GND
PIN3	USB3_RXDP2	PIN26	N/A
PIN4	GND	PIN27	N/A
PIN5	USB3_y_TXDN2	PIN28	GND
PIN6	USB3_y_TXDP2	PIN29	N/A
PIN7	GND	PIN30	N/A
PIN8	USB3_RXDN1	PIN31	GND
PIN9	USB3_RXDP1	PIN32	N/A
PIN10	GND	PIN33	N/A
PIN11	USB3_y_TXDN1	PIN34	GND
PIN12	USB3_y_TXDP1	PIN35	N/A
PIN13	GND	PIN36	N/A
PIN14	USB2_DM1	PIN37	GND
PIN15	USB2_DP1	PIN38	N/A
PIN16	GND	PIN39	N/A
PIN17	USB_DM2	PIN40	GND
PIN18	USB2_DP2	PIN41	GND
PIN19	GND	PIN42	GND
PIN20	USB3_OC1	PIN43	GND
PIN21	USB3_OC2	PIN44	GND
PIN22	GND	PIN45	GND
PIN23	N/A	PIN46	GND

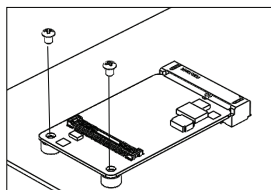


Overview - I/O Boards

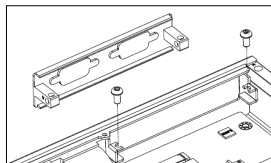


Simple Installation Process

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 the mPCIe card with the cables.

