TMM-PCM2P
– PC-104 PLUS CARD BUS PCMCIA DRIVE

User's Manual

Introduce:

This model consists of a PC-104 Plus (16/32 bit) interface module with two built-in PCMCIA card slots. The PC-104 Plus interface module can be stacked with other PC-104 Plus modules, mounted on a custom carrier board or stacked directly on a CPU card. Two PCMCIA slots are built into the interface board. The TMM-PCM2P is ideal for users who require two PCMCIA interface slots where easy accessibility to the PCMCIA slot is not required. The PCMCIA slots on the TMM-PCM2P provides full support for all Type I, Type II and Type III PCMCIA Memory, I/O and ATA hard disk cards. The PC-104 Plus form factor gives a high speed PCI interface to support the fastest PCMCIA applications/devices, including 16/32bit 3.3V/5V cards , these include memory cards such as SRAM, Flash and ATA Flash ,In addition, most I/O cards are also supported Including fax/modem, LAN, Wireless , IDSN ,SCSI and ATA hard disk drive cards by providing such wide support for the wide array of PCMCIA cards.

Key Features

- Complies with PCMCIA V.2.10 and JEIDA 4.2 Specifications
- 16-bit Legacy mode support : YES
- PCI legacy DMA support: YES
- Mix and Match 5V/3.3V PC Card 16/32 Cards and 3.3V CardBus Cards
- 16 bit / 32 bit Data Bus.
- Uses T/I 1420 Controller
- Supports Hot Swap function.

Specification

- Power Supply Voltage : 3.3V/5V Typical
- Operation Temperature: -20°C — 70°C
- Storage Temperature : -30°C— 85°C
- Relative Humidity : Max 90%
- Dimensions 96mm(L) x 90mm(W) x 15mm(H)

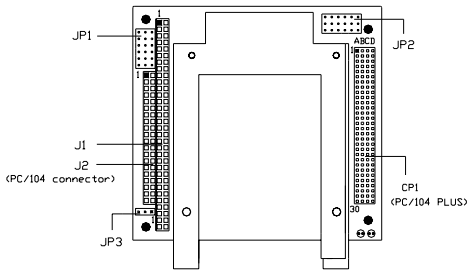
Package Contents

The TMM-PCM2P PC-104 plus PCMCIA Card Bus drive includes the following items:

- One PC-104 plus module
- One utility CD containing device driver. – P-Series for Win 98/2000/Me/NT/XP
- This user's manual

Board Layout and Jumper Settings

The includes two jumpers, JP1 and JP2, that must be set before installation. These jumpers control the BIOS address.



TMM-PCM2P

Jumper Setting

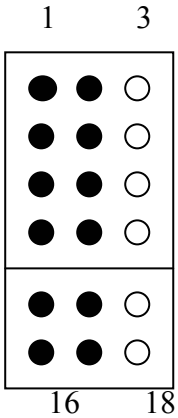
JP1 JP 2 SLOT ADJUST							
	JMP ADJUST	REQ#	GNT#	PCLK	IDSEL	INT A#	INT B#
PCI 1	JP 1 SHORT LEFT	REQ 0# 1-2, SHORT	GNT 0# 4-5, SHORT	CLK 0 7-8, SHORT	IDSEL 0 10-11, SHORT	INT A 13-14, SHORT	INT B 16-17, SHORT
PCI 2	JP 1 SHORT RIGHT	REQ 1# 2-3, SHORT	GNT 1# 5-6, SHORT	CLK 1 8-9, SHORT	IDSEL 1 11-12, SHORT	INT B 14-15, SHORT	INT C 17-18, SHORT
PCI 3	JP 2 SHORT U P	REQ 2# 1-2, SHORT	GNT 2# 4-5, SHORT	CLK 2 7-8, SHORT	IDSEL 2 10-11, SHORT	INT C 13-14, SHORT	INT D 16-17, SHORT
PCI 4	JP 2 SHORT DOWN	REQ 2# 2-3, SHORT	GNT 2# 5-6, SHORT	CLK 3 8-9, SHORT	IDSEL 2 11-12, SHORT	INT D 14-15, SHORT	INT A 17-18, SHORT

*** Following are 16 modes depends on Motherboard please setting Jumper as your own request**

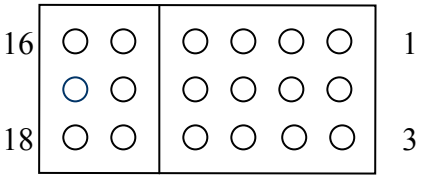
1.

JP 1 SHORT LEFT	REQ 0# 1-2, SHORT	GNT 0# 4-5, SHORT	CLK 0 7-8, SHORT	IDSEL 0 10-11, SHORT	INT A 13-14, SHORT	INT B 16-17, SHORT

JP1



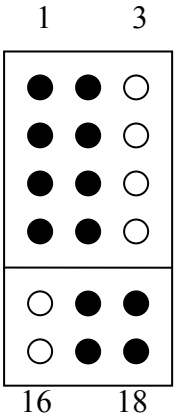
JP2



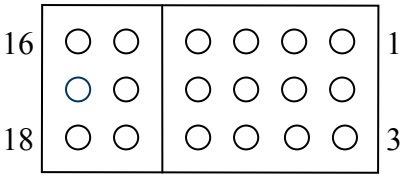
2.

JP 1 SHORT LEFT	REQ 0# 1-2, SHORT	GNT 0# 4-5, SHORT	CLK 0 7-8, SHORT	IDSEL 0 10-11, SHORT	INT B 14-15, SHORT	INT C 17-18, SHORT

JP1



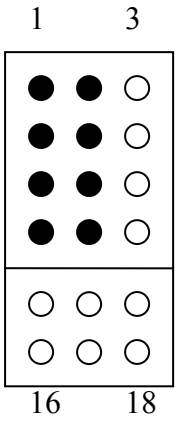
JP2



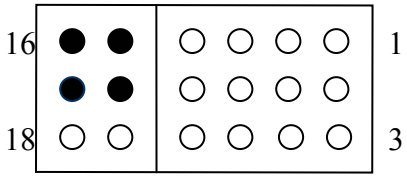
3.

JP 1 SHORT LEFT	REQ 0# 1-2, SHORT	GNT 0# 4-5, SHORT	CLK 0 7-8, SHORT	IDSEL 0 10-11, SHORT	INT C 13-14, SHORT	INT D 16-17, SHORT

JP1



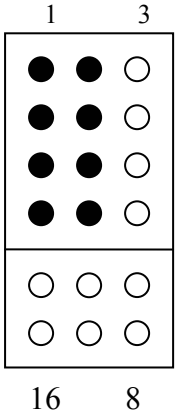
JP2



4.

JP 1 SHORT LEFT	REQ 0# 1-2, SHORT	GNT 0# 4-5, SHORT	CLK 0 7-8, SHORT	IDSEL 0 10-11, SHORT	INT D 14-15, SHORT	INT A 17-18, SHORT

JP1



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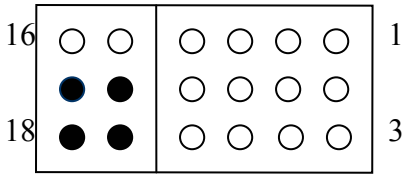
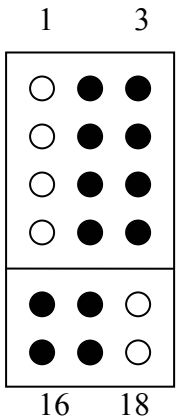


5.

JP 1 SHORT RIGHT	REQ 1# 2-3, SHORT	GNT 1# 5-6, SHORT	CLK 1 8-9, SHORT	IDSEL 1 11-12, SHORT	INT A 13-14, SHORT	INT B 16-17, SHORT

JP1



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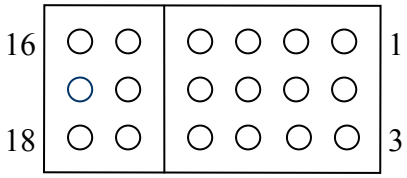
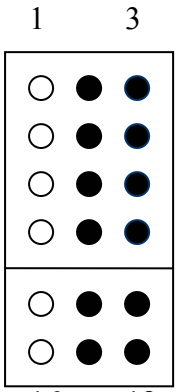


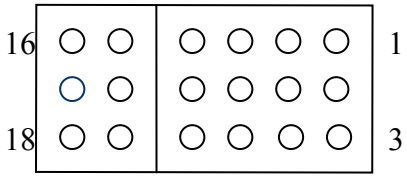
6.

JP 1 SHORT RIGHT	REQ 1# 2-3, SHORT	GNT 1# 5-6, SHORT	CLK 1 8-9, SHORT	IDSEL 1 11-12, SHORT	INT B 14-15, SHORT	INT C 17-18, SHORT

JP1



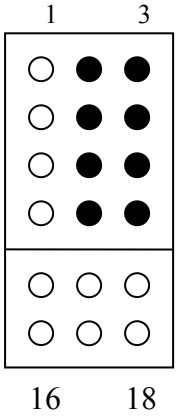
JP2



7.

JP 1 SHORT RIGHT	REQ 1# 2-3, SHORT	GNT 1# 5-6, SHORT	CLK 1 8-9, SHORT	IDSEL 1 11-12, SHORT	INT C 13-14, SHORT	INT D 16-17, SHORT

JP1



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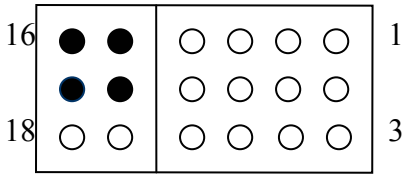

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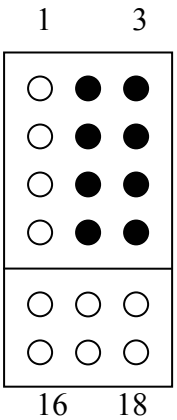

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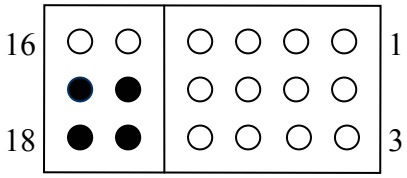
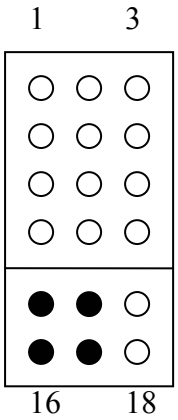


9.

JP 2 SHORT U P	REQ 2# 1-2, SHORT	GNT 2# 4-5, SHORT	CLK 2 7-8, SHORT	IDSEL 2 10-11, SHORT	INT A 13-14, SHORT	INT B 16-17, SHORT

JP1



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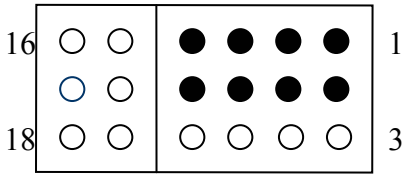

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JP 2 SHORT U P	REQ 2# 1-2, SHORT	GNT 2# 4-5, SHORT	CLK 2 7-8, SHORT	IDSEL 2 10-11, SHORT	INT B 14-15, SHORT	INT C 17-18, SHORT

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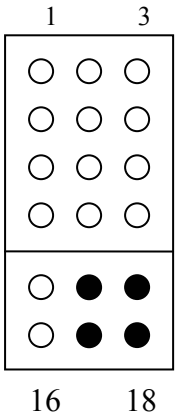
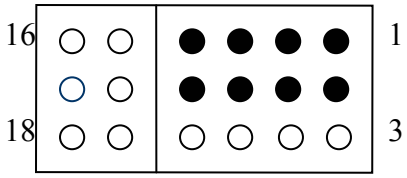


JP2



11.

JP 2 SHORT U P	REQ 2# 1-2, SHORT	GNT 2# 4-5, SHORT	CLK 2 7-8, SHORT	IDSEL 2 10-11, SHORT	INT C 13-14, SHORT	INT D 16-17, SHORT

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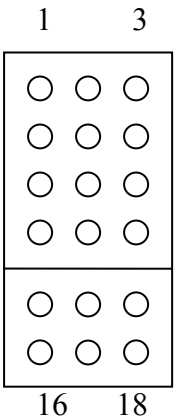
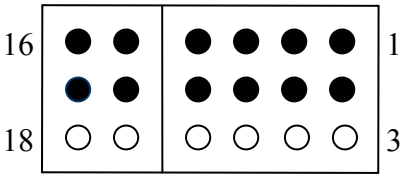


JP2



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JP 2 SHORT U P	REQ 2# 1-2, SHORT	GNT 2# 4-5, SHORT	CLK 2 7-8, SHORT	IDSEL 2 10-11, SHORT	INT D 14-15, SHORT	INT A 17-18, SHORT

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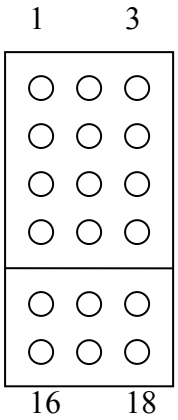
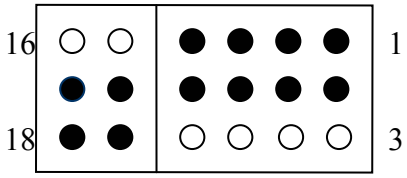


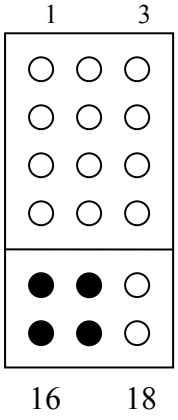
JP2



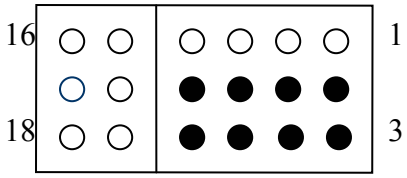
13.

JP 2 SHORT DOWN	REQ 2# 2-3, SHORT	GNT 2# 5-6, SHORT	CLK 3 8-9, SHORT	IDSEL 2 11-12, SHORT	INT A 13-14, SHORT	INT B 16-17, SHORT

JP1



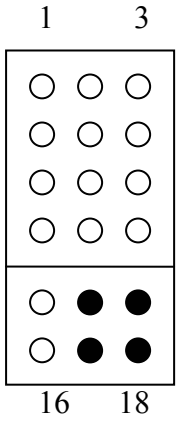
JP2



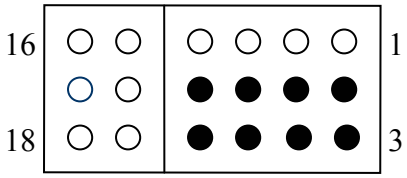
14.

JP 2 SHORT DOWN	REQ 2# 2-3, SHORT	GNT 2# 5-6, SHORT	CLK 3 8-9, SHORT	IDSEL 2 11-12, SHORT	INT B 14-15, SHORT	INT C 17-18, SHORT

JP1



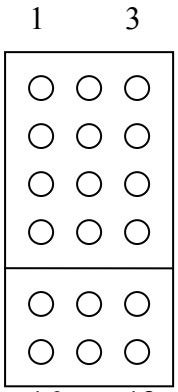
JP2



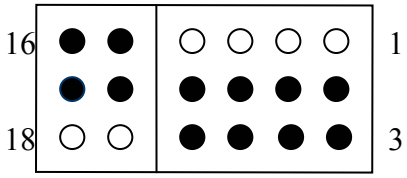
15.

JP 2 SHORT DOWN	REQ 2# 2-3, SHORT	GNT 2# 5-6, SHORT	CLK 3 8-9, SHORT	IDSEL 2 11-12, SHORT	INT C 13-14, SHORT	INT D 16-17, SHORT

JP1



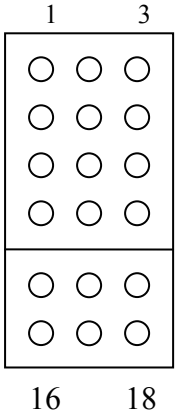
JP2



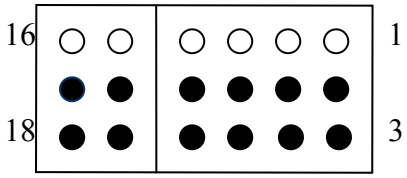
16.

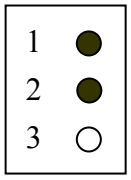
JP 2 SHORT DOWN	REQ 2# 2-3, SHORT	GNT 2# 5-6, SHORT	CLK 3 8-9, SHORT	IDSEL 2 11-12, SHORT	INT D 14-15, SHORT	INT A 17-18, SHORT

JP1



JP2





JP3 IRQ DRIVER

SHORT

1-2 IS NO SERIRQ MUST DRIVER

2-3 The PC104 Plus main board must Have SERIRQ

Pin Assignment

J3/P3				
Pin	A	B	C	D
1	GND/5.0V KEY	MFUNC3	PCI 5V	AD 0
2	VCCP	AD 2	AD 1	PCI 5V
3	AD 5	GND	AD 4	AD 3
4	CBE#0	AD 7	GND	AD 6
5	GND	AD 9	AD 8	GND
6	AD 11	VCCP	AD 10	—
7	AD 14	AD 13	GND	AD 12
8	—	CBE#1	AD 15	—
9	SERR#	GND	—	PAR
10	GND	PERR#	—	—
11	STOP#	—	LOCK#	GND
12	—	TRDY#	GND	DEVSEL#
13	FRAME#	GND	IRDY#	—
14	GND	AD16	—	CBE#2
15	AD18	—	AD17	GND
16	AD21	AD20	GND	AD19
17	—	AD23	AD22	—
18	IDSEL0	GND	IDSEL1	IDSEL2
19	AD24	CBE#3	VCCP	IDSEL3
20	GND	AD26	AD25	GND
21	AD29	PCI 5 V	AD28	AD27
22	PCI 5 V	AD30	GND	AD31
23	REQ0#	GND	REQ1#	VCCP
24	GND	REQ2#	PCI 5V	GNT0#
25	GNT1#	VCCP	GNT2#	GND
26	PCI 5V	CLK0	GND	CLK1
27	CLK2	PCI 5V	CLK3	GND
28	GND	INTD	PCI 5V	PRST#
29	PCI 12V	INTA	INTB	INTC
30	—	—	—	GND/3.3V KEY

Hardware Installation

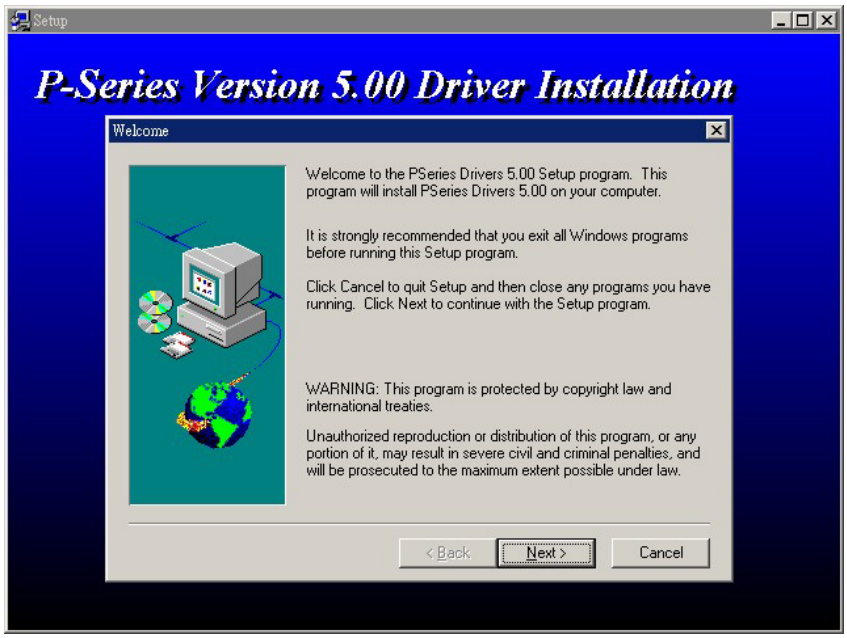
To install the TMM-PCM2P in your system follow the instructions below.

1. Turn off the power to your PC and all peripherals connected to your system.
2. Open your system case. This procedure will vary according to the particular system you own and you should consult with the relevant user's manual for details.
3. Set the jumpers as shown previously.
4. Mount the TMM-PCM2P in your system. You may stack the TMM-PCM2P on another PC-104 module using the supports, plug the TMM-PCM2P into a custom carrier board, or else mount it directly on a PC-104 Plus CPU card. The PC-104 connectors (please refer to pin assignment) on the bottom of the board fit into the sockets on the device on which you are mounting.
5. Close your system case.

Your TMM-PCM2P is now installed in your system and you should proceed with the software installation.

P-Series Software Installation
(Windows 98/2000/Me/NT/XP)

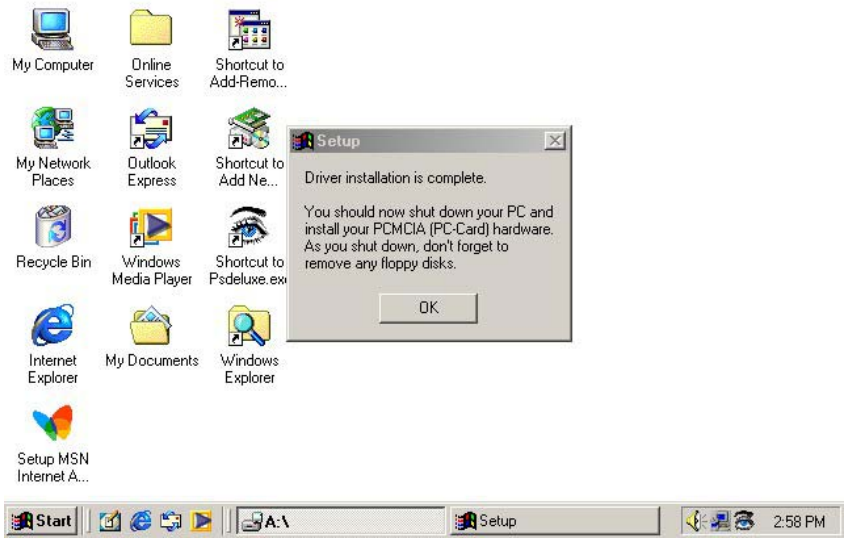
1. Insert the software CD into your company's CD drive and run the setup program either by choosing Start/Run and then typing setup in the Run dialog box or double-clicking on the setup file icon in a Windows Explorer or My Computer window. The P-Series splash screen will appear and then the installation P-Series will start.



2. Click “Yes” to advance to the next screen.

3. Click Next to advance the next screen.

4. Click “OK”



5. You must re-boot your computer in order to complete installation.
   Your computer will re-boot.

Inserting a memory card (i.e., ATA Flash or ATA HDD card) into your PCMCIA slot will result in the card being mapped to your computer as a Drive and being assigned a logical drive letter.