

**PCISA Intel Pentium-M/Celeron-M CPU Card with LCD/CRT
VGA,Dual LAN,USB2.0 and Audio**

PCISA-6770-RS
Quick Installation Guide
Version 2.0

May. 4, 2007

Package Contents

PCISA-6770-RS package includes the following items:

- 1x PCISA-6770-RS single board computer
- 1x ATA66/100 HDD cable P/N: 32200-000052-RS
- 1x KB/PS2 Mouse Y cable P/N: 32000-000138-RS
- 1x RS232 cable P/N: 19800-000027-RS
- 1x RS232/422/485 cable P/N:32200-000077-RS
- 1x USB cable P/N: CB-USB02A-RS
- 1x Audio cable P/N:19800-000044-RS
- 1 x mini jumper pack
- 1 x Utility CD
- 1 x QIG (quick installation guide)



©2006 Copyright by IEI Technology corp.
All rights reserved.

Specifications

- CPU: Intel Pentium M/Celeron M Socket 479 up to 400MHz FSB/Onboard Celeron M 800MHz zero cache
- System Chipset: Intel 852GM+ICH4
- BIOS: AMI BIOS Label
- System memory: DDR266 SDRAM socket support up to 1GB
- Ethernet: 2x 10/100 Mbps Intel 82562ET/82551ER fast Ethernet controller onboard

- I/O

I/O Interface:

1 x RS-232

1 x RS-232/422/485

1 x LPT by pin-header

1 x IrDA by pin-header

5 x USB 2.0(1 in rear,4 by pin header)

1x ATA-100

1x ATA-33 IDE channel

2 x PS/2 keyboard/mouse

1 x FDD

Supper I/O: W83697HG

Digital I/O:4 input / 4output

- Display: CRT integrated in Intel 852GM
- Audio: AC'97 Audio codec
- Power supply:5V/12V, AT/ATX power support
- Power Consumption:
 - 5V@3.5A, 12V@1.9A
 - Pentium M 1.7G/2M,DDR266/512MB
 - 5V@2.2A, 12V@0.44A
 - Celeron M 800MHz,DDR 400/1 GB
- Temperature: 0 ~ 60°C(32 ~ 140°F)
- Watchdog timer: Software programable 1-255 sec. by supper I/O

Ordering Information

Standard

PCISA-6770E2-RS-R20

PCISA Intel Pentium-M/Celeron-M CPU Card with LCD/CRT VGA,Dual LAN,USB2.0 and Audio

PCISA-6770E2-RS-800Z-R20

PCISA Intel Celeron-M 800MHz Zero Cache CPU Card with LCD/CRT VGA,Dual LAN,USB2.0 and Audio

Optional:

1. FDD cable P/N:32200-000058-RS
2. RS232/LPT cable P/N: 19800-000027-RS

Jumpers setting and Connectors

LABEL	FUNCTION
JP1	CMOS state setting
JP2	CompactFlash Master(1-2)/Slave(2-3) setting
JP3	LVDS LCD power source 3.3V(1-2)/5v(2-3) setting

JP1 : Clear CMOS Setup	
JP1	DESCRIPTION
1-2	Normal Operation
2-3	Clear CMOS Setup

JP2 : Master/Salve Mode Setting	
JP2	DESCRIPTION
1-2	Master
2-3	Slave

JP3 : 3.3V/5V Mode Setting	
JP3	DESCRIPTION
1-2	3.3V
2-3	5V

Label	Function
IDE1	Ultra ATA100 Primary (40 Pin)
IDE2	Secondary IDE connectors (44 PIN)
FDD1	Floppy connector
LPT1	Parallel port connector
DIO1	Digital I/O
COM1	Serial port connector(10 Pin)
COM2	RS-232/422/485 connector(14 PIN)
J1	Compact Flash Storage Card Type II connector
IR1	IRDA infrared interface port
USB1	USB port connector
USB2	USB dual port connector
USB3	USB dual port connector
J4	LAN1 RJ45 (10/100) connectors
J5	LAN2 RJ45(10/100/1000(optional)) connectors
KBM1	6-pin Mini-Din Keyboard & Mouse connector
KB1	External 5-pin Header Keyboard Connector
FAN1	FAN connector
CN3	External switches and indicators
CD-IN	Audio CD IN connector
CN4	Backplane to CPU board ATX power control Connector
DVI	DVI DISPLAY(Optional)
LVDS1	LVDS1 CONNECTOR
CN1	Backlight Inverter Connector

COM1 : 10-pin header onboard			
COM2 : 14-pin header onboard			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	DATA CARRIER DETECT (DCD)	2	DATA SET READY (DSR)
3	RECEIVE DATA (RXD)	4	REQUEST TO SEND (RTS)
5	TRANSMIT DATA (TXD)	6	CLEAR TO SEND (CTS)
7	DATA TERMINAL READY (DTR)	8	RING INDICATOR (RI)
9	GROUND	10	NC
(11)	RS-422 TX+ RS-485 Data+	(12)	RS-422 TX- RS-485 Data-
(13)	RS-422 RX+	(14)	RS-422 RX-

CN3 : External Switches and Indicators

	PIN	DESCRIPTION	PIN	DESCRIPTION	
Power LED	1	+5V	2	Speaker +	Speaker
	3	GND	4	N/C	
ATX POWER BUTTON	5	BUTTON PIN1	6	N/C	
	7	BUTTON PIN2	8	Speaker -	
HDD LED	9	HDD LED +	10	Reset PIN1	Reset Button
	11	HDD LED -	12	Reset PIN2	

KB1 : 5-pin Header Keyboard Connector

PIN	DESCRIPTION
1	KEYBOARD CLOCK
2	KEYBOARD DATA
3	N/C
4	GROUND
5	+5V

CN4 : Backplane to CPU board Connector

PIN	DESCRIPTION
1	GND
2	ATX-ON
3	5VSB

USB2&USB3: USB Port Connector

PIN	DESCRIPTION	PIN	DESCRIPTION
1	VCC	2	GROUND
3	DATA0-	4	DATA1+
5	DATA0+	6	DATA1-
7	GROUND	8	VCC

FAN1 : Fan Connector

PIN	DESCRIPTION
1	GROUND
2	+12V
3	Rotation Signal

IR1: IrDA connector

PIN	DESCRIPTION
1	VCC
2	NC
3	IR-RX
4	Ground
5	IR-TX
6	NC

CDIN1 : CD-IN

PIN	DESCRIPTION
1	CD LEFT SIGNAL
2	GROUND
3	GROUND
4	CD RIGHT SIGNAL

DIO1: Digital I/O			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	GND	2	+5V
3	OUT0	4	OUT1
5	OUT2	6	OUT3
7	IN0	8	IN1
9	IN2	10	IN3

DVI1 : DVI Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	DATA2-	14	Vcc
2	DATA2+	15	GND
3	GND	16	HP_DET
4	NC	17	DATA0-
5	NC	18	DATA0+
6	DDCCLK	19	GND
7	DDCDATA	20	NC
8	NC	21	NC
9	DATA1-	22	GND-
10	DATA1+	23	CLK+
11	GND	24	CLK-
12	NC	25	GND
13	NC		

CN1: backlight inverter connector	
PIN	DESCRIPTION
1	NC
2	GROUND
3	BKL_POWER
4	GROUND
5	VCC

J3:External Power Connector	
PIN	DESCRIPTION
1	+5V
2	GROUND
3	GROUND
4	+12V

LVDS1 : LVDS Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	16	LVDSB_Y3-
2	GND	17	LVDSB_CLK+
3	LVDS_Y3+	18	LVDSB_CLK-
4	LVDS_Y3-	19	LVDSB_Y2+
5	LVDS_CLK+	20	LVDSB_Y2-
6	LVDS_CLK-	21	LVDSB_Y1+
7	LVDS_Y2+	22	LVDSB_Y1-
8	LVDS_Y2-	23	LVDSB_Y0+
9	LVDS_Y1+	24	LVDSB_Y0-
10	LVDS_Y1-	25	GND
11	LVDS_Y0+	26	GND
12	LVDS_Y0-	27	VCC_LCD
13	GND	28	VCC_LCD
14	GND	29	VCC_LCD
15	LVDSB_Y3+	30	VCC_LCD

AUDIO1			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	SPEAK(L)	2	SPEEAK(R)
3	GND	4	GND
5	LINE_OUT(L)	6	LINE_OUT(R)
7	LINEIN(L)	8	LINEIN(R)
9	GND	10	GND
11	MIC	12	GND

Board Layout: Jumper and Connector Locations

