

CPC-2420

2.5" Carrier Board for Mini-Biscuit PC

Startup Manual

Packing List

Before you begin installing your card, please make sure that the following materials have been shipped:

- 1 CPC-2420 carrier board for CPC-2245 mini-biscuit PC
- 1 warranty certificate
- 1 CD ROM including user's full manual
- This startup manual
- 1 40-pin FPC cable (part no. 1701400301)
- 1 50-pin FPC cable (part no. 1701500700)
- Y cable (part no. 1700060201)
- HDD cable (part no. 1701440500)
- FDD cable (part no. 1701340600)
- LPT cable (part no. 1703340300)
- COM cable (part no. 1700100250)
- Phoenix power connector (part no. 1652002101)
- Power cable (part no. 1703050050)

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

Note 1: For detailed contents of the CPC-2420, please refer to the enclosed CD-ROM (in PDF format).

Note 2: Acrobat Reader is required to view any PDF file. Acrobat Reader can be downloaded at: www.adobe.com/Prodindex/acrobat/readstep.html (Acrobat is a trademark of Adobe.)

Specifications

- Two FPC connectors for ISA-bus expansion
- DB-15 VGA connector
- RJ-45 Ethernet connector
- DB-9 COM1 serial port connector
- 10-pin COM2 serial port box header
- LCD connector
- One FDD/LPT connector
- 44-pin HDD connector
- 6-pin PS/2 KB/mouse connector
- Size: 120 x 82 mm
- Weight: 80 g

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

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

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

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

This manual is for the CPC-2420.

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Jumpers and Connectors

Locating Connectors

The board has a number of jumpers that allow you to configure your system to suit your application.

Jumper Settings

J3: Reset switch

Connect a wire from the reset button to J3. When J3 is "closed", the reset signal will be activated.

J6: LCD 3.3/5 V select

Function	Pins 1-2	Pins 2-3
5 V	Closed	Open
3.3 V	Open	Closed

The following table lists the connectors on the CPC-2420.

Table 1-1: Connectors

Number	Function
CN1	SODIMM socket
CN2	FDD/LPT connector
CN3	VGA connector
CN4	Ethernet connector
CN5	IDE connector
CN6	Power connector
CN7	Keyboard and PS/2 mouse connector
CN8	LCD 24-bit connector
CN9	LCD inverter connector
CN10	COM1 RS-232 connector
CN11	LCD 36-bit connector
CN12	COM2 RS-232 connector
CN15	Phoenix power connector
J1	ISA slot connector
J2	ISA slot connector
J4	LCD FPC connector
J5	VGA/COM/KB/MS FPC connector

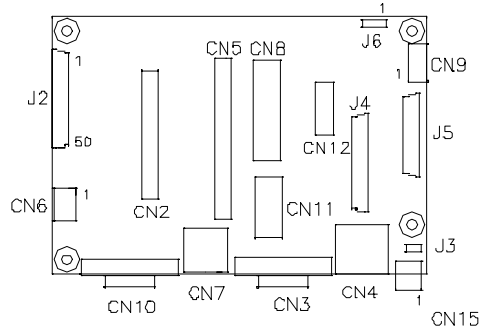


Figure 1-1: Board layout: connector locations (component side)

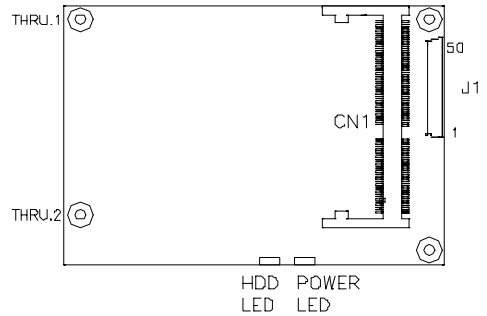


Figure 1-2: Board layout: connector locations (solder side)