

CPC-2245/N

486 Mini Biscuit PC with VGA/LAN

Startup Manual

Packing List

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

- 1 CPC-2245 all-in-one single board computer
- 1 CD-ROM including Ethernet utility programs, SVGA utility programs and drivers for Windows 3.1/95/98/NT, and full User's Manual
- 1 warranty certificate
- This startup manual

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

Note 1: For detailed contents of the CPC-2245/N, 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.)

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://support.advantech.com>

This manual is for the CPC-2245 and CPC-2245N.

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Specifications

Standard SBC Functions

- **CPU:** STPC Client, 66 MHz
- **On-card cache:** 8 KB
- **BIOS:** 256 KB Flash BIOS
- **Chipset:** STPC Client
- **Super I/O chipset:** Winbond W83977F
- **RAM memory:**
32 MB EDO RAM on board (CPC-2245)
16 MB EDO RAM on board (CPC-2245N)
- **Solid state disk:** Supports one CompactFlash card as an emulated HDD
- **Watchdog timer:** 1.6 sec. intervals

ISA/IDE/FDD/parallel port (144-pin SODIMM socket)

- **I/O expansion:** 16-bit AT-bus
- **Enhanced IDE hard disk drive interface:** Supports up to two hard disk drives. BIOS auto-detect
- **Floppy disk drive interface/multi-mode parallel port:** FDD interface and parallel port share the same connector. The FDD and/or parallel port can be switched in BIOS setup
 - FDD interface supports up to two floppy disk drives, 5.25" (360 KB and 1.2 MB) and/or 3.5" (720 KB, 1.44 MB and 2.88 MB)
 - Parallel supports SPP, ECP and EPP

VGA/LAN/serial port/keyboard/mouse (40-pin FPC connector)

- **VGA with 64-bit windows accelerator (CPC-2245 only)**
 - **Display memory:** 4 MB share memory architecture (UMA structure)
 - **Display resolution:** 1280 x 1024 @ 64 K colors, 1024 x 768 @ 16 M colors
 - Automatically disables internal VGA if an external add-in VGA is plugged into the system
- **10/100Base-T Ethernet interface**
 - **Chipset:** RTL-8139A PCI local bus Ethernet controller
 - **Ethernet interface:** IEEE 802.3U compatible 100/10Base-T interface

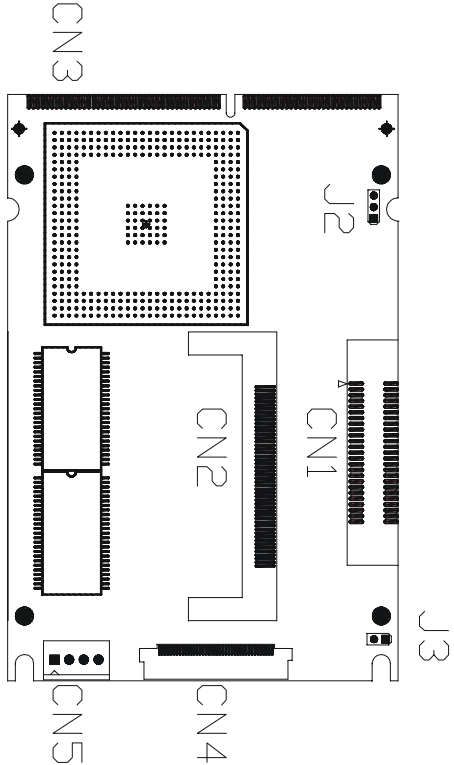
- **Serial ports:** Two RS-232 serial ports
- **Keyboard and PS/2 mouse:** Supports standard PC/AT keyboard and PS/2 mouse
- **RTC error:** 5 sec/day (CPU without fan)
3 sec/day (CPU with fan)
- **Power connector:** 4-pin mini power connector

Mechanical and Environmental

- **Power supply voltage:** +5 V (4.75 ~ 5.25 V)
- **Max. power requirements:** +5 V @ 1.5 A
- **Operating temperature:** 0 ~ 60° C (32 ~ 140° F)
- **Board size:** 68 x 100 mm
- **Weight:** 0.05 kg (0.11 lb)

CPC-2245 and CPC-2245N Comparison Table

	CPC-2245	CPC-2245N
DRAM	32 MB	16 MB
VGA	Yes	No



Jumpers and Connectors

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

The table below lists the function of each of the board's jumpers and connectors:

Jumpers and connectors	
Name	Function
CN1	PCI connector
CN2	CompactFlash socket
CN3	SODIMM gold finger (ISA/HDD/FDD/parallel/power)
CN4	I/O connector (LAN/VGA/RS-232/KBmouse)
CN5	Power connector
J2	Clear CMOS
J3	Fan connector (reserved)

Jumper Settings

J2: Clear CMOS

Function	1-2	2-3
Protect*	Closed	Open
Clear CMOS	Open	Closed

* default setting