

# WAFER-4821/4823

3.5" 486DX4-100 CPU Board

WAFER-4821



COM Dual 10/100 Mbps Ethernet K/M VGA

**Fanless**

4 COM

+5V Only

WAFER-4823



COM Dual 10/100 Mbps Ethernet K/M VGA

LCD/CRT Display

## Specifications

<b>CPU</b>	486DX4-100 CPU on board, embedded in ACC Maple chipset
<b>System Chipset</b>	ACC Maple
<b>System Memory</b>	<ul style="list-style-type: none"> <li>– WAFER-4821: One 72-pin SIMM socket up to 32MB EDO RAM or 4MB EDO RAM on board for OEM requirement</li> <li>– WAFER-4823: One 72-pin SIMM socket up to 32MB EDO RAM</li> </ul>
<b>Display</b>	(WAFER-4823) – Chip: HM86508 LCD/CRT VGA – Bus: ISA – V-RAM: 1MB EDO RAM – Resolution: LCD: 800 x 600 CRT: 1024 x 768 – Connectors: DB-15 for CRT display / 44-pin pin-header for LCD panel
<b>Ethernet</b>	Realtek RTL8019 10Mbps Ethernet chip with RJ-45 connector
<b>SSD</b>	One DiskOnChip socket
<b>I/O</b>	<ul style="list-style-type: none"> <li>– WAFER-4823: 1 x RS-232 port and 1 x RS-232/422/485 selectable port</li> <li>– WAFER-4821: 3 x RS-232 ports and 1 x RS-232/422/485 selectable port</li> <li>– 1 x parallel port (support SPP/EPP/ECP mode)</li> <li>– 1 x FDD channel</li> <li>– 1 x IDE channel 44-pin pin-header</li> </ul>
<b>Digital I/O</b>	4 x Input and 4 x Output TTL Level
<b>Expansion Slot</b>	One PC/104 expansion connector for add-on cards
<b>WDT</b>	Software programmable, support 1~ 255 sec. system reset
<b>E-Key</b>	A non-volatile 1Kbit EEPROM is provided to retain application critical read/write data (WAFER-4821)
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>– WAFER-4823 : +5V@1.92A (32MB EDO RAM)</li> <li>– WAFER-4821 : +5V@1.85A</li> </ul>
<b>Operating Temperature</b>	0~60°C
<b>Relative Humidity</b>	5~95%, non-condensing
<b>GW</b>	700g

## Ordering Information

- **WAFER-4823** 3.5" 486DX4-100 CPU Board with LCD/ CRT VGA, LAN
- **WAFER-4821** 3.5" 486DX4-100 CPU Board with LAN, 4COM
- **WAFER-4821-M4** 3.5" 486DX4-100 CPU Board with 4MB DRAM, LAN, 4 COM

## IEI Option

- **SM-8E/16E/32E-MAPLE**

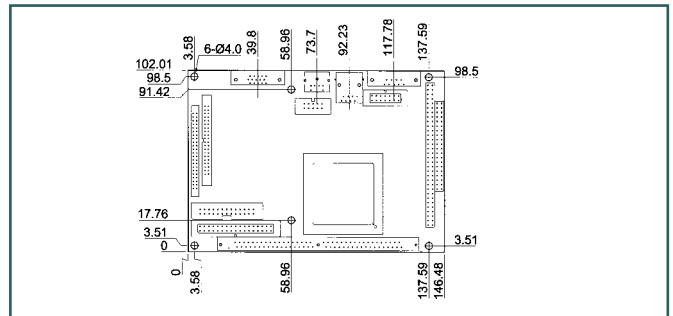
8/16/32MB EDO RAM Module

**Note:** WAFER-4821-M4 will limit on maximum 4MB on board DRAM due to the limitation of the Maple chipset

## Feature

- CRT/LCD display integrated in HM86508(WAFER-4823)
- 1x SIMM socket up to 32MB EDO RAM, onboard 4MB (4821)
- Support PC/104 expansion slot
- DOC, LAN, Multi-COM (4821) integrated

## Dimensions



MB-1200

Compact Chassis for WAFER 4821/4823/4826

## Specifications

- ◆ Compact chassis for WAFER-4823/4821/4826
- ◆ Drive Bays: 1 x 2.5" HDD
- ◆ Reserved space for PC/104 module
- ◆ Power supply : ACE-855 series
- ◆ Dimensions: 184(W) x 81 x 138(D)mm; (7.2" x 3.2" x 5.4")
- ◆ Net/GW: 1/2 (kg)

## Ordering Information

- **MB-1200W/ACE-855A**

For WAFER-4821/4823/4826 compact chassis with ACE-855A power supply