

WAFER-4821/4823

3.5" Disk Size 486DX4-100 Embedded Board
With 10Mbps Ethernet, LCD/CRT VGA & CPU

SBC



WAFER-4821

+5V
Only

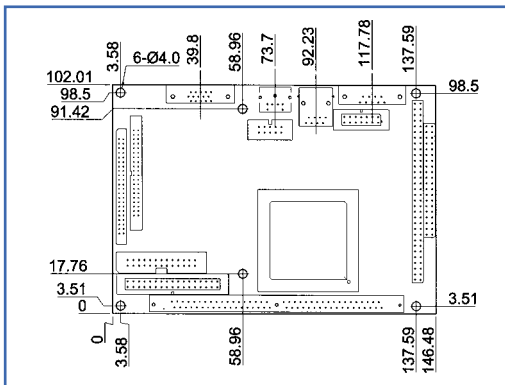
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WAFER-4823

LCD/CRT
Display

Dimensions



MB-1200

Compact Chassis for WAFER 4821/4823/4826

SPECIFICATIONS

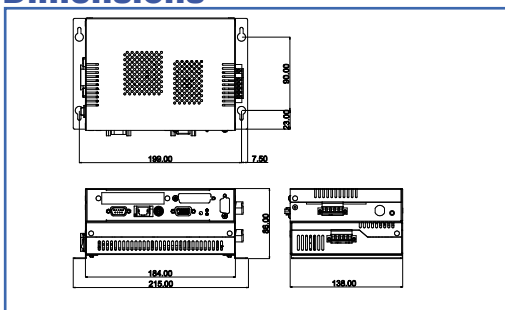
- ◆ Compact chassis for WAFER-4823/4821/4826
- ◆ Drive Bays: 1 x 2.5" HDD
- ◆ Reserved space for PC/104 module
- ◆ Power supply : ACE-855 series
- ◆ Dimensions: 184(W) x 81 x 138(D)mm;
(7.2" x 3.2" x 5.4")
- ◆ Net/GW: 1/2 (kg)

ORDERING INFORMATION

● MB-1200W/ACE-855A

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

Dimensions



SPECIFICATIONS

- ◆ CPU: 486DX4-100 CPU on board, embedded in ACC Maple chipset
- ◆ BIOS: AMI Flash BIOS
- ◆ System Chipset: ACC Maple
- ◆ System Memory:
 - WAFER-4821: One 72-pin SIMM socket up to 32MB EDO RAM or 4MB EDO RAM on board for OEM requirement
 - WAFER-4823: One 72-pin SIMM socket up to 32MB EDO RAM
- ◆ Display: (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
- ◆ Ethernet: Realtek RTL8019 10Mbps Ethernet chip with RJ-45 connector
- ◆ SSD: One DiskOnChip socket
- ◆ I/O :
 - WAFER-4823: 1 x RS-232 port and 1 x RS-232/422/485 selectable port
 - WAFER-4821: 3 x RS-232 ports and 1 x RS-232/422/485 selectable port
 - 1 x parallel port (support SPP/EPP/ECP mode)
 - 1 x FDD channel
 - 1 x IDE channel 44-pin pin-header
- ◆ Digital I/O: 4 x Input and 4 x Output TTL Level
- ◆ One PC/104 expansion connector for add-on cards
- ◆ WDT: Software programmable, support 1~ 255 sec. system reset
- ◆ E²Key : A non-volatile 1Kbit EEPROM is provided to retain application critical read/write data (WAFER-4821)
- ◆ Power Consumption:
 - WAFER-4823 : +5V@1.92A (32MB EDO RAM)
 - WAFER-4821 : +5V@1.85A
- ◆ Operating Temperature : 0~60°C
- ◆ Relative Humidity : 5~95%, non-condensing
- ◆ GW: 700g

ORDERING INFORMATION

● WAFER-4823

3.5" disk size 486DX4-100 embedded board with LCD/CRT VGA & 10Mbps Ethernet

● WAFER-4821

3.5" disk size 486DX4-100 embedded board with 10Mbps Ethernet

● WAFER-4821-M4

3.5" disk size 486DX4-100 embedded board with 10Mbps Ethernet & 4MB DRAM

● 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