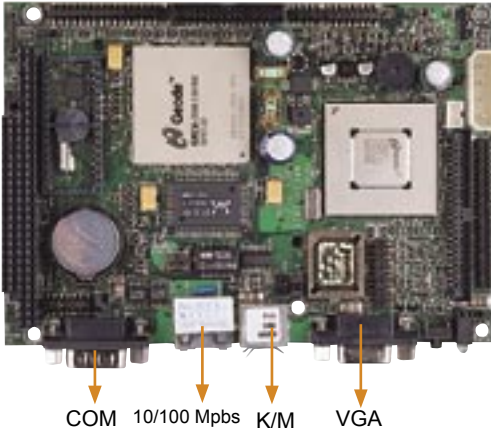


WAFER-5820/5822

3.5" GX1-300 MHz CPU Board with LCD/CRT VGA, LAN, TV out & Audio

WAFER-5820



COM 10/100 Mbps Ethernet K/M VGA

300MHz NOW

Fanless

Microsoft Windows Powered

Rear Side



SO-DIMM Socket

Specifications

CPU	Embedded AMD Geode GX1 300MHz
System Chipset	AMD Geode GX1 + CS5530A
System Memory	One 144-pin SO-DIMM socket supports up to 512MB SDRAM
Display	<ul style="list-style-type: none"> Built-in CS5530A chipset, supports TFT LCD & CRT display V-RAM : Share with system memory (up to 4MB), setting in BIOS Resolution : 1280 x 1024 (256 colors) Connector : DB-15 for CRT display 44-pin pin-header for TFT LCD 20-pin pin-header for LCD LVDS interface(WAFER-5820) TV Out (Both NTSC & PAL) (WAFER-5822)
Ethernet	Realtek RTL8100BL 10/100Mbps Ethernet controller
SSD	One DiskOnChip socket
WDT	Software programmable, support 1~ 255 sec. system reset
I/O	<ul style="list-style-type: none"> 1 x RS-232 port & 1 x RS-232/422/485 selectable port (WAFER-5820) 2 x RS-232 ports (WAFER-5822) 1 x parallel port (support SPP/EPP/ECP mode) 2 x USB 1.1 (by pin-header) 1 x IrDA port 1 x FDD port 1 x ATA-33 IDE channel (44-pin by pin-header)
Audio	AC'97 compliant Audio CODEC
Digital I/O	4 x input and 4 x output, TTL Level (WAFER-5822)
Expansion	One PC/104 expansion connector for add-on modules
Power Consumption	+5V@2A, +12V@100mA (32MB SDRAM), WAFER-5820-300-R3 (+5V only)
Operating Temperature	0~60°C
Relative Humidity	5~95%, non-condensing
GW	700g

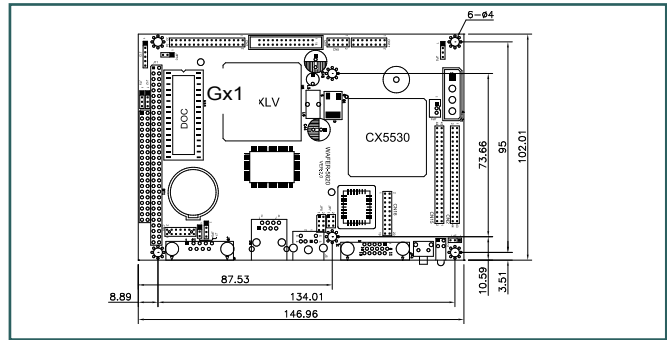
Ordering Information

- **WAFER-5820-300-R3**
3.5" GX1-300MHz CPU Board with LCD/ CRT VGA, LAN & Audio, R3
- **WAFER-5820-300-R3-NOCB**
3.5" GX1-300MHz CPU Board with LCD/ CRT VGA, LAN & Audio, without Cable Set, R3
- **WAFER-5822-300-R3**
3.5" GX1-300MHz CPU Board with LCD/ CRT VGA, LAN, TV Out & Audio, R3

Feature

- Embedded AMD Geode GX1-300 CPU for Fanless system support
- CRT/LCD integrated in CS5530A, support 18-bit TFT LCD, LVDS (5820), TV-Out(5822)
- 1x PC133 SDRAM SO-DIMM support up to 512MB
- Support PC/104 extension slot
- DOC, LAN, USB, Audio integrated

Dimensions

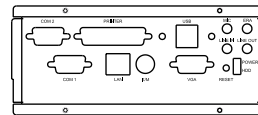


Customized-I/O solution for compact size and flexible!!



EBC-1000
Industrial 3.5" Embedded Chassis

Wall mount kits



BK-5820 for WAFER-5820/5822

Specifications

- ◆ Designed to Wall-mount application
- ◆ Designed to IEI 3.5"WAFER series SBC
- ◆ Drive Bays: One 2.5" Internal HDD Drive Bay
- ◆ Standard equipped with Power Supply
ACE-890A 90W AC Input AT Power Supply
- ◆ Optional Power Supply:
ACE-890AP AC Input AT Power Supply with PFC Function
ACE-890V 12V DC Input AT Power Supply
ACE-890C 24V DC Input AT Power Supply
ACE-890T 48V DC Input AT Power Supply
ACE-890P 100V DC Input AT Power Supply
- ◆ Operating temperature: 0~50°C
- ◆ Vibration: 5~17Hz, 0.1"double amplitude displacement
17~640 Hz, 1.5G acceleration peak to peak
- ◆ Shock: 10G acceleration peak to peak (11ms)
- ◆ Color: Dark Blue (PANTONE 433C)
- ◆ Dimension: 172mm(W)x 116mm(H)x 129mm(D)

Ordering Information

- **EBC-1000/ACE-890A**
Industrial 3.5" Embedded Chassis with 90W AT Power supply Without I/O Bracket
- **BK-5820** WAFER-5820/5822/ I/O Bracket and Cable set

Single Board Computer

PIAGP Series
PICMG
Half-Size
Industrial Motherboard
5.25" NOVA
EPIC NANO
3.5" WAFER
ETX
PC/104
Add-on Card
I/V Card
Backplane

LCD Product Series

Chassis

Power supply

Peripheral