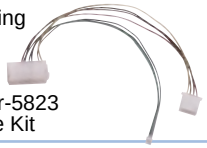
# Wafer-5823

## 3.5" GX1-300 Embedded Board with Dual Lans and LCD/CRT VGA

Microsoft Windows Powered

### SPECIFICATIONS

- **CPU:** NS Geode GX1-300MHz
- **BIOS:** Award PnP BIOS
- **System Memory:** up to 512MB SO-DIMM (on the rear side)
- **Display:** Built-in CS5530A chipset
  – V-RAM: share with system memory (up to 4MB) setting by BIOS
  – Resolution: 1280 x 1024, 256 colors for CRT;
  1024 x 768, 64K color for LCD
  – Connector: external DB-15 for CRT and one internal
  18-bit 44pin pin-header for LCD
- **Ethernet:** external RJ-45x2
  Dual Intel 82559 or Realtek RTL8139C 10/100 Ethernet controllers Support WOL, AOL (Intel only) function
- **SSD:** CompactFlash TypeII socket support Flash Disk, IBM MicroDrive
- **I/O:** – 2 x RS-232 (16C550 UARTs compatible)
  – 1 x Parallel (SPP/EPP/ECP)
  – 2 x USB 1.1
  – 1 x IrDA (SIR)
  – 1 x FDD
  – 1 x IDE channel (1x44 pin header)
- **PC/104:** one for PC/104 add-on card or module kit
- **WDT:** software programmable, support 1~255 sec. system reset
- **Power function:** support ATX power functions
- **Power Consumption (with 64MB SRAM):** 5V@2A, 12V@100mA
- **Operating Temperature:** 0-60°C
- **Relative Humidity:** 5~95%, non-condensing
- **Dimensions:** 145 x 102 mm (5.7" x 4")
- **GW:** 700g

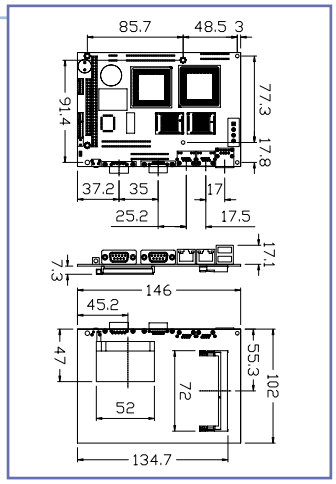


Wafer-5823
Cable Kit

### ORDERING INFORMATION

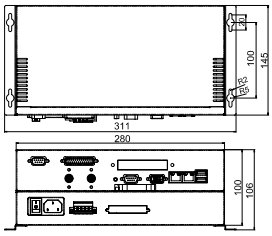
- **Wafer-5823N-300** Wafer-5823 with NS Geode GX1-300 CPU and dual Intel 82559 LANs
- **Wafer-5823R-300** Wafer-5823 with NS Geode GX1-300 CPU and dual Realtek RTL 8139C LAN
- **32100-052100** Wafer-5823 ATX-PSON connection cable Length: 30cm

### Dimensions



**EB-1830 Embedded Chassis for Wafer-5823**

- Support one PC/104 module space
- Optional PCMCIA interface
- Equipped with ACE-890A
- Optional ACE-855/ 890 series PSU
- Support two 2.5" HDD drive bay.




# Wafer-5821

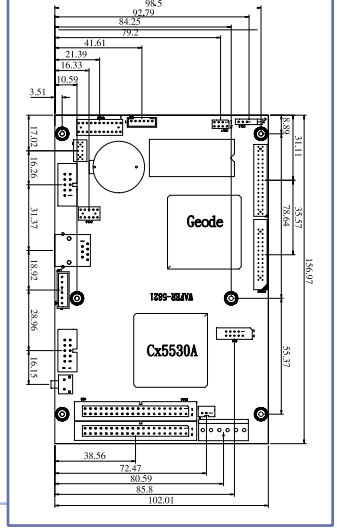
## GX1-300 Embedded Board

**Best Solution for Network Attached PC-Base Controller Application !!**

### SPECIFICATIONS

- **CPU:** NS Geode GX1-300MHz
- **BIOS:** Award PnP BIOS
- **System Memory :** up to 512MB SO-DIMM (on the rear side)
- **Display :** built-in CS5530A chipset
  – V-RAM: share with system memory (up to 4MB) setting by BIOS
  – Resolution : 1280 x 1024, 256 colors
  – Connector : 2x5 Pin-header for CRT display
- **Ethernet:** Realtek RTL8139C 10/100 Ethernet Controller
  Support WOL function
- **SSD:** support M-System DiskOnChip™ Flash Disk
- **I/O:** – 2 x RS-232 (16C550 UARTs compatible)
  – 1 x Parallel (SPP/EPP/ECP)
  – 2 x USB 1.1
  – 1 x IrDA (SIR)
  – 1 x FDD
  – 2 x IDE channel (2x40 pin header)
- **4 Digital Inputs / 4 outputs**
- **WDT:** software programmable, support 1~255 sec. system reset
- **Support ATX power function**
- **Power Consumption(with 64MB SDRAM) :**
  5V@2A, 12V@100mA typical
- **Operating Temp. :** 0-60°C
- **Relative Humidity:** 5~95%, non-condensing
- **Dimensions:** 157 x 102 mm (6.2" x 4")
- **GW:** 700g

### ORDERING INFORMATION

- **Wafer-5821-300** GX1-300 Embedded Board

### Dimensions