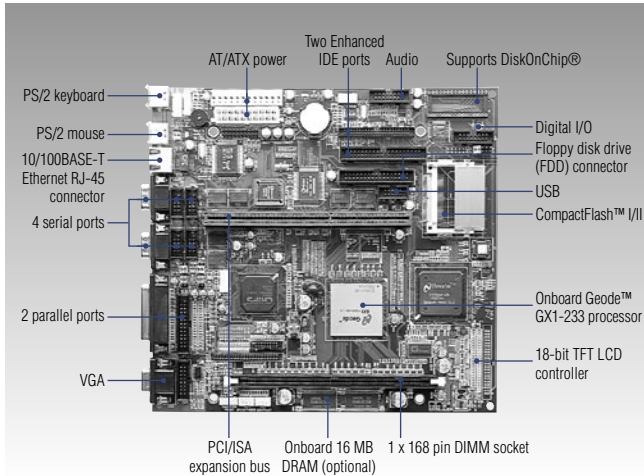


POS-563

AMD® Geode™ LPX POS SBC with CPU, Audio, VGA/LCD and Ethernet



Specifications

General

- **CPU** Embedded fanless low power AMD Geode GX1- 233, GX1-300 (optional)
- **First level cache** 16 KB, for Data/Instruction
- **System Chipset** AMD CS5530A
- **BIOS** Award® 2 Mbit Flash BIOS
- **System Memory** 1 x SDRAM DIMM, up to 128 MB, 16 MB DRAM on board (POS-563F & POS-563FC only)
- **Power management** Supports advanced power management
- **SSD** Supports DiskOnChip & CompactFlash card
- **Watchdog Timer** Selectable 1 ~ 62 seconds
- **Expansion Interface** 1 x PCI/ISA interface
- **Battery** Lithium 3 V/220 mA

I/O

- **I/O Interface** 2 x Enhanced IDE interfaces (1 x Keyboard, 1 x Mouse) 1 x FDD, 2 x parallel ports, supports EPP/ECP parallel mode, 4 x serial ports support power line connection in pin 9 via jumper selection
- **USB** 2 x USB connectors, USB 1.1 compliant
- **Audio** Supports speaker, Line-in, Line-out, Microphone, CD-in, Speaker-out (POS-563F & AC'97 interface POS-563FC only)
- **IrDA** 115 kbps SIR port, IrDA 1.0 compliant
- **GPIO** 2 x TTL digital out, 4 x TTL digital in

Ethernet

- **Chipset** Realtek® RTL8139C
- **Speed** 10/100Base-T
- **Standard** IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX Fast Ethernet Compatible
Built-in boot ROM in Flash BIOS

Display

- **Chipset** AMD CS5530A C&T 69000
- **Memory Size** 1 ~ 4 MB UMA 2 MB
- **Resolution** 1280 x 1024 @ 16 bpp 1024 x 768 @ 16 bpp, 800 x 600 @ 24 bpp
- **LCD Interface** Up to 18-bit TFT LCD 36-bit TFT LCD

Features

- AMD GX1-233 CPU on board, Fanless
- Supports CompactFlash®, DiskOnChip®
- Supports 10/100Base-T PCI Ethernet with wake-on-LAN
- Supports AC'97 Audio function
- Supports ATX power connector
- Supports 115 kbps SIR
- Supports digital I/O (2 In & 4 Out)
- 16 MB DRAM onboard (POS-563F/FC only)

Mechanical and Environmental

- **Dimension (L x W)** 220 mm x 235 mm (8.7" x 9.25")
- **Weight** 0.5 kg (1.1 lb)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F), operating
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

Power

- **Power Consumption** Typical: 5 V @ 2.62 A (w/GX1-233 + 128 MB RAM)
Max: 5 V @ 4.45 A

Packing List

- 1x POS-563 SBC
- 1x FDD cable (p/n: 1701340700)
- 1x HDD cable (p/n: 1701400601)
- 1x serial cable (p/n: 1701100300)
- 1x Audio cable (POS-563F/FC) (p/n: 1700160160)
- 1x Startup manual
- 1x Utility CD

Ordering Information

Standard

- **POS-563-00A1** AMD Geode GX1-233 LPX POS SBC w/VGA, LCD, Ethernet & SSD
- **POS-563F-00A1** Same as POS-563-00A1, but w/16 MB DRAM, Audio & CFC support
- **POS-563FC-00A1** Same as POS-563F-00A1, but w/C&T 69000

Optional Accessories

- **POS-809A-00A1** Book-sized chassis for POS control boards (180 W)
- **POS-102-0000** 4-slot PCI/ISA riser card
- **1700100170** 17.5 cm USB cable (2.54 mm)
- **1700100301** 30 cm USB cable (2.54 mm)