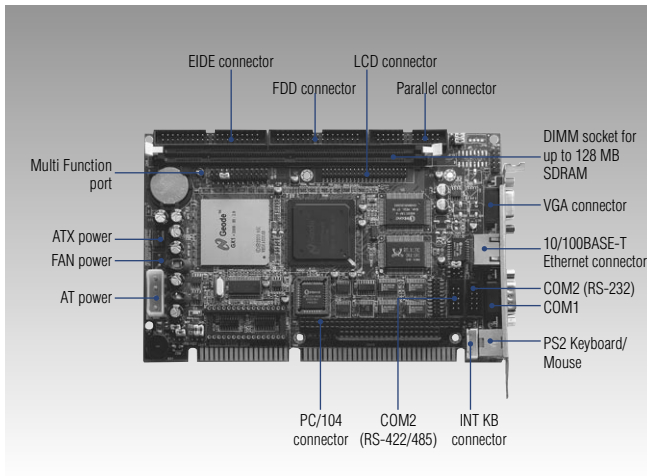


# PCA-6753

ISA AMD Geode Slot-PC SBC, supporting  
VGA/LCD/LAN/DOC and PC/104



## Specifications

### General

- **CPU** Onboard Low Power NS Geode processor  
GX1-300 MHz processor (PCA-6753F-G0A2,  
PCA-6753FC-G0B1)
- **2nd Cache Memory** N/A
- **System Chipset** AMD CS5530A
- **BIOS** AWARD 256 kbit Flash BIOS
- **System Memory** SDRAM DIMM x 1, Max. 128 MB
- **Power Management** APM 1.2
- **SSD** DiskOnChip®
- **Watch Dog Timer** 1 ~ 62 sec, System reset or IRQ11
- **Expansion Interface** 16-bit ISA slot, PC/104 connector
- **Battery** Lithium 3 V/196 mAh

### I/O

- **I/O Interface** 1 x EIDE (Ultra DMA33), 1 x FDD, 1 x K/B, 1 x Mouse,  
1 x RS-232/422/485, 1 x RS-232, 1µeLPT
- **USB** 2 USB ports, USB 1.1 compliant
- **Audio** N/A
- **IrDA** 4 Mbps FIR, IrDA 1.1 compliant
- **GPIO** N/A
- **I/O Expansion** PC104, ISA

### Ethernet

- **Chipset** RTL 8139C
- **Speed** 10/100Base-T
- **Interface** RJ-45
- **Standard** IEEE 802.3u compatible

### Display

- **Chipset** AMD CS5530A
- **Memory Size** 1 ~ 4MB
- **Resolution** CRT mode: 1024 x 768 @ 16 bpp  
800 x 600 @ 16 bpp  
LCD mode: 1024 x 768 @ 18 bpp
- **LCD Interface** 18-bit TTL for TFT LCD only
- **LVDS Interface** N/A
- **TV-Out** N/A

## Features

- NS GX1 Low Power processor on board
- Supports VGA and LCD display
- 62 level watchdog timer
- Supports wake-up on LAN, modem
- Supports LCD back light turn-off function
- Fanless operation

### Mechanical and Environmental

- **Dimensions (L x W)** 185 x 122 mm (7.3" x 4.8")
- **Weight** 0.27 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity, non-conden
- **Power Supply Voltage** +5 V ± 5%
- **Power Consumption** Max : 4 A @ 5 V  
Typical : 1.5 A @ 5 V (for PCA-6753F-G0A2)  
1.4 A @ 5 V (for PCA-6753F-E0A2)

## Packing List

- 1 x PCA-6753 SBC
- 1 x Y cable for PS/2 Keyboard, PS/2 Mouse (p/n:1700060202)
- 1 x E-IDE (HDD) Cable (600 mm) (p/n:1701400601)
- 1 x FDD Cable (700 mm) (p/n:1701340700)
- 1 x COM port & Parallel port cable (p/n:1701260303)
- 1 x ATX/AT power cable (p/n:1700000450)
- Mini Jumper (p/n:1653300100)
- 1 x ATX/AT power cable converter (p/n:1700040052)
- 1 x Startup Manual
- 1 x Utility CD

## Ordering Information

### Standard

- **PCA-6753F-G0A2** ISA AMD Geode Slot SBC. GX1-300/VGA/LCD/Fast Ethernet/DOC/PC104
- **PCA-6753FC-G0B1** ISA AMD Geode Slot SBC. GX1-300/VGA/LCD/Fast Ethernet/4COMs/DOC/PC104

### Optional Accessories

- **MBPC-641** 4-slot IPC chassis w/backplane & 65 W power supply
- **IPC-644-80** 4-slot IPC chassis w/ backplane & 80 W power supply
- **IPC-6806S** 6-slot IPC chassis w/ backplane & 100 W power supply
- **PCA-6114-B** 14-slot ISA passive backplane
- **PCA-6108-0B1** 8-slot ISA passive backplane
- **PCA-6106-B** 6 slot ISA passive backplane
- **PCA-6104-0C1** 4-slot ISA passive backplane
- **9689000042** IrDA adapter
- **1700100170** USB cable adapter (2.54 mm)