

**EX-9589**

Module

PC/104-Plus 6x86 CPU


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**Key Specifications/Special Features:**

- **CPU+Chipset:** NS Geode processor & GX5530A chipset with built-in 6x86-166/233/300/333 MMX CPU, GXLV support low-power 0~85°C CPU (1.5~5.4W), GX1 support very-low-power 0~85°C CPU (0.8~1.5W)
- **Cache Memory:** 16KB L1 cache memory
- **I/O Chipset:** NS PC97317
- **BIOS:** Award BIOS, 128KB (Flash) EPROM
- **DRAM:** 1 x 144-pin SO-DIMM socket on solder side support 8MB ~ 128MB SDRAM
- **LCD/VGA w/ MPEG II:** SMA 64-bit TFT LCD/CRT, support CRT and 18-bit TFT LCD flat panel up to 1280x1024x8 BPP and 1024x768x16 BPP, support MPEG1 and MPEG2 assist, 41-pin LCD connector;
- **DSTN signal:** for optional DSTN board
- **Audio signal:** for optional Audio daughter board
- **USB x 2 IrDA**
- **DOC socket:** Socket for DiskOnChip Flash Disk
- **Speaker:** Buzzer on Board
- **CMOS Backup:** Backup by Li battery
- **PS/2 Keyboard:** 5-pin header
- **PS/2 Mouse:** 5-pin header
- **IDE Interface:** support one port up to 2 x IDE devices
- **FDD:** Two 3 1/2" or 5 1/4" FDD, Drives A, B swappable
- **Parallel Port:** One bi-directional SPP/EPP/ECP parallel port configured as LPT1,2,3
- **Serial Port x 2:** 16-byte FIFO 16C550 serial port jumper selectable RS-232 x 1 + RS-232/422/485 x 1
- **Watchdog Timer:** Programmable 0 ~ 30 sec
- **Miscellaneous Connectors/Jumpers:** Reset, HDD LED, 4-pin single +5V power connector
- **Power Requirement:** Single +5V power by using 4-pin FDD type power connector
- **Operating Temperature:** 0 ~ 60°C. 0 ~ 85°C low-power CPU just need metal cooler

**Main Export Markets:**

- Worldwide