



PIA-3210



SoundBlaster Module

The PIA-3210 uses the ESS 1688 AudioDrive® single mixed signal chipset. It can add 16-bit stereo A/D D/A and 20-voice FM music synthesis to your application. The module can record, compress and playback voice, sound and music with its built-in 6-channel mixer controls. It is backward compatible to OPL 3 and has enhanced capabilities for superior sound quality with ESFMTM music synthesis.

Single / mixed channel 16-bit stereo, 20-voices ESFM

6-channel mixer, mixer controlled record / playback

Programmable sample rate 4 ~ 48 KHz

Midi interface : MPU401 (UART mode), Sound Blaster midi interface for wavetable synthesizers

PC-speaker I/O with volume control

Software address mapping, DMA, IRQ for Plug and Play

Supports FM music synthesis in OPL3 mode

Programmed I/O and DMA transfers including demand transfer DMA

Supports Windows 3.1, Windows 95, Windows NT and Windows Sound System, IBM OS/2

Supports applications for Sound Blaster and Sound Blaster Pro mode

Ordering

PIA-3210 : PC/104 SoundBlaster Module



PIA-3610



NE2000 LAN Module

The PIA-3610 is a high performance, NE2000 compatible, Ethernet adapter. The PIA-3610 connects to twisted pair (10BASE-T) and coax (10BASE-2) media. It includes a 16 KB RAM buffer for fast and reliable network transmission.

Chipset Realtek 8019AS single chip

Full-duplex transfer mode, doubles effective bandwidth

NE2000 compatible with built in 16 KB RAM buffer

Jumper select , Jumperless or Plug&Play mode

Media : BNC (10BASE-2) or RJ-45 (10BASE-T), auto

Throughput : 10 Mbps

IRQ: 2 (9), 3, 4, 5, 10, 11, 12 or 15

I/O address: 200h, 220h, 240h, 260h, 280h, 2A0h, 2C0h 2E0h, 300h, 320h, 340h, 360h, 380h, 3A0h, 3C0h, 3E0h

Boot ROM address: C800, CC00, D000, D800, DC00

8/16-bit data bus autosensing

Built-in boot ROM function

Power requirements: single 5V @ 120 mA

Operating temperature: 0 ~ +55°C

Ordering

PIA-3610 : PC/104 NE2000 LAN Module



PIA-350-A

4-port RS-232 Module

The PIA-350 provides four PC compatible asynchronous serial ports, each of which can be configured for RS-232 operation. Addresses and interrupts are jumper selectable, and more than one PIA-350 can be used in any PC/104 system. All four ports share a single interrupt.

4 RS-232C asynchronous ports

4 x 16550 UARTs

Supports: Tx/D, Rx/D, RTS, CTS, DTR, DSR, DCD, GND

Interrupt select : 2, 3, 4, 5, 7

RS-232 modem control signals

I/O address : 100h to 300h

Baudrate: up to 115.2 Kbps

Power Requirements : single +5V

Operating Temperature : 0 ~ +55°C

Ordering

PIA-350-A : PC/104 Four port RS-232 Module

