Embedded 486DX PC with Built-in UDP/IP Stack Netsock/400

Features

✓ Ready-to-run embedded PC

✓ 10BASE-T Ethernet port with onboard Embedded Netsock™ UDP/IP stack

✓ 8.5" x 5" format with PC/104 expansion

✓ 486DX CPU, 66 or 100Mhz

✓ Up to 32MB RAM

✓ COM1, COM2, KBD, mouse, speaker

✓ 22 TTL-compatible I/O lines, 6 timers

✓ 8 Analog in/ 4 analog out (optional)

Netsock/400 provides a turnkey, network-oriented platform on which to build embedded systems. Based on the Micro/sys SBC2486DX embedded PC and its built-in 10BASE-T Ethernet port, Netsock/400 is a powerful 486DX computer that offers high performance, and that can significantly reduce development time.

In addition to the SBC2486DX's 486DX CPU, large memory capacity, 22-TTL I/O lines, analog I/O options, and pre-loaded operating system, Netsock/400 also includes the innovative Embedded Netsock UDP/IP stack. Upon power-up, a subset of the popular Winsock functions are immediately available for powerful networking operations.

With networking software pre-integrated, bringing up multi-station embedded systems is much easier than in the past. And there are no royalties for any of the included software when production volumes begin.

Netsock/400 is completely turnkey. It displays a sign-on message when 5V is applied. Clip in a standard netowork cable, and it communicates with a network. Cables, documentation, and example programs are all supplied with the free development kit. If required by an application, Netsock/400 offers two options: 8 channels of analog input and 4 channels of analog outputs.

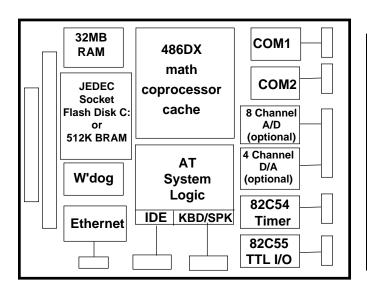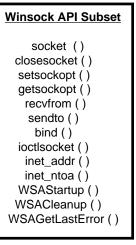| Software Support	Compatible Hardware	Mounting/Packaging
DOS emulation, RUN.EXE™ *Turbo Debugger™* *Comm library, CommBLOK™* *PID loop library, PidBLOK™,* *C, compilers* [Items above in Section 6] *UDP/IP Networks*	*PC/104 expansion cards* [Items above in Section 4] *RS232/RS485 devices* *Ethernet Networks* *Analog sensors* *Analog controls* *Custom*	*Enclosure, ENC104-3* *Standoffs, STDOFF01* [Items above in Section 5] *Custom*

Winsock API Subset

socket ( )
closesocket ( )
setsockopt ( )
getsockopt ( )
recvfrom ( )
sendto ( )
bind ( )
ioctlsocket ( )
inet_addr ( )
inet_ntoa ( )
WSAStartup ( )
WSACleanup ( )
WSAGetLastError ( )

Specifications:

Embedded PC Features:
- ❑ 8.5" x 5", with PC/104 expansion
- ❑ 486DX CPU at 66 or 100MHz
- ❑ 4MB RAM, expandable to 32MB
- ❑ 512K flash, expandable to 72MB
- ❑ COM1, COM2, KBD, mouse
- ❑ Digital I/O, optional analog I/O
- ❑ See SBC2486DX data sheet for complete details

Free On-board Network Software:
- ❑ Flash Setup™ configuration utility
- ❑ UDP/IP driver stack preloaded into flash
- ❑ Implements subset of Winsock functions (see chart above)
- ❑ IP, UDP, ARP, DHCP, ICMP protocols
- ❑ Dynamically linked with application program
- ❑ Version available without UDP/IP stack. Call factory for information.

Ordering Information:

Netsock/400	SBC2486DX, Ethernet, & Embedded Netsock™
Netsock/400-100	SBC2486DX-100, Ethernet, & Embedded Netsock™
DK400N	No charge development kit, available with first order only.
2486DXOPT1	8MB RAM total
2486DXOPT3	32MB RAM total
2486DXOPT10	A/D Converter, 8-Channel
2486DXOPT11	D/A Converter, 4-Channel
2486DXOPT25	MSDOS 5.0 in Bootable Flash ROMdisk A:

RUN.EXE, Flash Setup, Embedded Netsock
        trademark Micro/sys, Inc.
CommBLOK, PidBLOK, OptoBLOK
        trademark Drumlin
Turbo Debugger
        trademark Borland International