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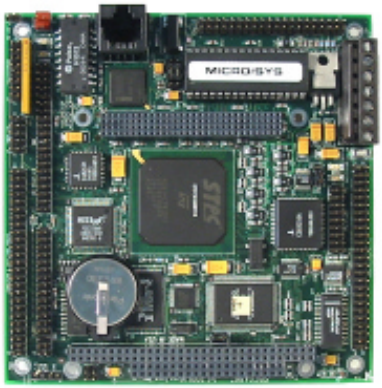
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Find the *Micro/Sys Netsock/410* at our website: ***Click HERE***

# Embedded 486DX PC with Built-in UDP/IP Stack Netsock/410



## Features

- ✓ Ready-to-run embedded PC
- ✓ 10/100MHz Ethernet port with onboard Embedded Netsock™ UDP/IP stack
- ✓ Small 5" x 5" format with PC/104 expansion
- ✓ 486DX CPU, 66, 80, or 133MHz
- ✓ Up to 64MB RAM
- ✓ COM1, COM2, LPT, LCD, KBD, mouse, speaker
- ✓ CRT and flat panel VGA
- ✓ Matrix touchscreen/keypad input
- ✓ 8 Analog in, 4 analog out (optional)

Netsock/410 provides a turnkey, network-oriented platform on which to build embedded systems. Based on the Micro/sys SBC0486 embedded PC and its built-in 10/100MHz Ethernet port, Netsock/410 is a small powerful 486DX computer that offer high performance, and that can significantly reduce development time.

In addition to the SBC0486's 486DX CPU, large memory capacity, VGA ouput, touchscreen/keypad input, 24-TTL I/O lines, analog I/O options, and pre-loaded operating system, Netsock/410 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/410 is completely turnkey. It displays a sign-on message when 5V is applied. Clip in a standard network 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/410 offers two options: 8 channels of analog input and 4 channels of analog outputs.

### Software Support

*DOS emulation,*
*Turbo Debugger™*
*Comm library, CommBLOK™*
*PID loop library, PidBLOK™,*
*C, compilers*
[Items above in Section 6]
*UDP/IP Networks*

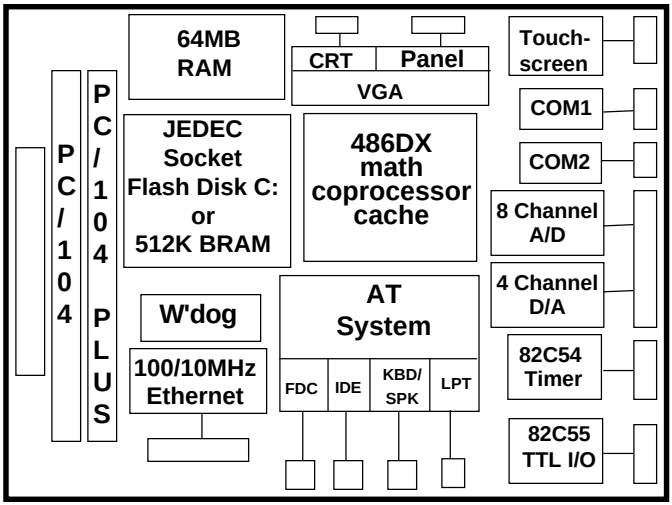
### Compatible Hardware

*PC/104 expansion cards*
[Items above in Section 4]
*RS232/RS485 devices*
*Ethernet Networks*
*Analog sensors*
*Analog controls*
*Custom*

### Mounting/Packaging

*Enclosure, ENC104-3*
*Standoffs, STDOFF01*
[Items above in Section 5]
*Custom*

**Micro/sys** 3730 Park Place, Montrose, CA 91020 (818)244-4600 Fax (818)244-4246
email: info@embeddedsys.com




**Winsock API Subset**

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

## *Specifications:*

**Embedded PC Features:**

- ❑ 5" x 5", with PC/104 expansion
- ❑ 486DX CPU at 66, 80, or 133MHz
- ❑ 8MB RAM, expandable to 64MB
- ❑ 1MB flash, expandable to 72MB
- ❑ VGA, COM1, COM2, LPT, LPT, KBD, mouse
- ❑ Digital I/O, optional analog I/O
- ❑ See SBC0486 data sheet for complete details

**Free On-board Network Software:**

- ❑ 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/410 | SBC0486, Ethernet, & Embedded Netsock™ |
| DK410N | No charge development kit, available with first order only. |
| 0486OPT2 | 32MB RAM total |
| 0486OPT3 | 64MB RAM total |
| 0486OPT11 | A/D Converter, 8-Channel |
| 0486OPT12 | D/A Converter, 4-Channel |
| 0486OPT25 | MSDOS 5.0 in Bootable Flash ROMdisk A: |

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

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