



Embedded 386EX PC with Built-in UDP/IP Stack Netsock/300



Features

- ✓ Ready-to-run embedded PC
- ✓ Ethernet port with onboard Embedded Netsock™ UDP/IP stack
- ✓ 8.5" x 5" format with PC104 expansion
- ✓ 386EX CPU, 25MHz
- ✓ Up to 16MB RAM, 512K flash
- ✓ COM1, COM2, LPT, LCD, keypad
- ✓ 24 TTL I/O lines
- ✓ 8 or 16 analog in, 4 or 8 analog out (optional)
- ✓ Dual hi-performance serial ESCC (optional)

Netsock/300 provides a turnkey, network-oriented platform on which to build embedded systems. Based on the Micro/sys SBC3386EX embedded PC and its built-in Ethernet port, Netsock/300 is a powerful 386EX computer that offers midrange to highrange performance, and that can significantly reduce development time. In addition to the SBC3386EX's 386EX CPU, 16M RAM and 512K flash memory capacity, on-board serial, parallel, LCD, and keypad ports, 24-TTL I/O lines, analog I/O options, and pre-loaded operating system, Netsock/300 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/300 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/300 offers optional: 8 or 16 channels of analog input and 4 or 8 channels of analog outputs.

Software Support

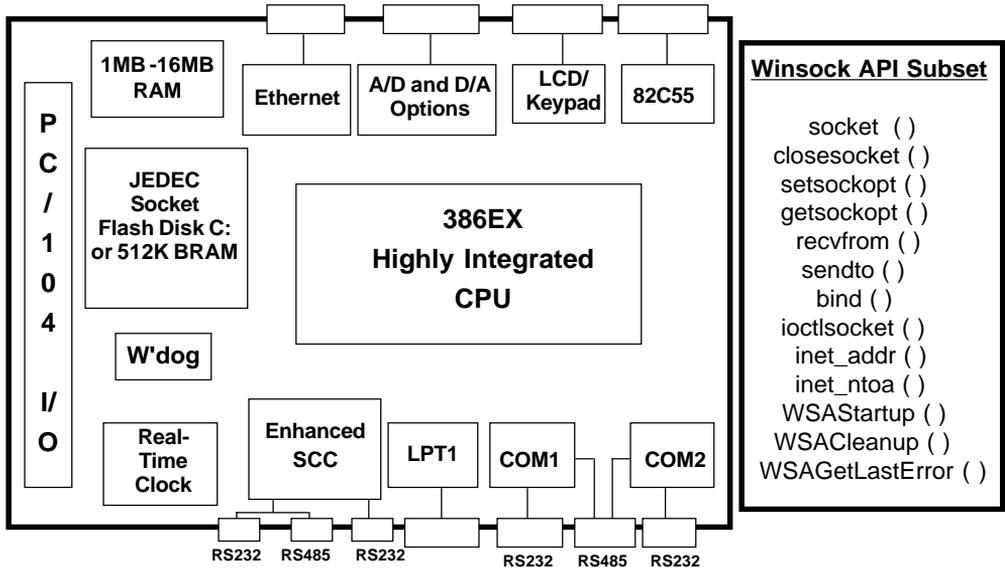
*DOS emulation, RUN.EXE™, MSDOS 5.0, TurboDebugger™
Comm library, CommBLOK™
PID loop library, PidBLOK™,
C, BASIC, compilers*
[Items above in Section 6]
*Novell Netware
UDP/IP Networks*

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



Specifications:

Embedded PC Features:

- 8.5" x 5", with PC/104 expansion
- 386EX CPU at 25MHz
- 1MB RAM, expandable to 16MB
- 512K flash, expandable to 8MB
- COM1, COM2, LPT, LCD, keypad
- Digital I/O, optional analog I/O
- Optional dual ESCC serial ports
- See SBC3386EX 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/300	SBC3386EX, Ethernet (T/Pair, RJ45), & Embedded Netsock™
Netsock/300-2	SBC3386EX, Ethernet (Coax, BNC), & Embedded Netsock™
DK300N	No charge development kit, available with first order only
3386OPT1	4M RAM total
3386OPT2	16M RAM total
3386OPT10	Dual high performance sync/async comm ports (Z85C30)
3386OPT11-8	A/D Converter, 8-Channel
3386OPT11-16	A/D Converter, 16-Channel
3386OPT12-4	D/A Converter, 4-Channel
3386OPT12-8	D/A Converter, 8-Channel

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