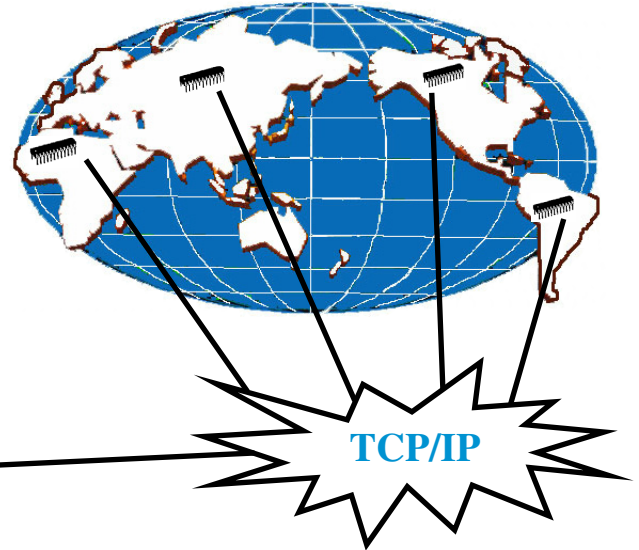
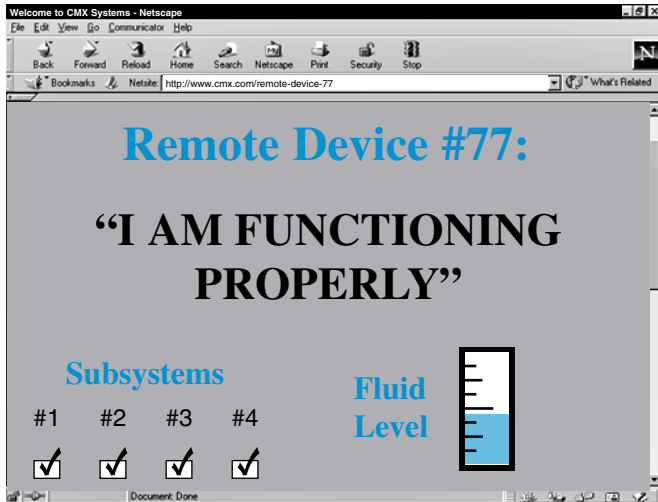




True TCP/IP Networking For ZiLOG Z8 Encore Processors!



Finally, the *Right* Connectivity Solution for Your ZiLOG Z8 Encore Processors (All Derivatives)

CMX-MicroNet has been developed by the company that is famous for providing complete, elegant solutions to the embedded community - CMX! Our developers have the expertise and hands-on experience to satisfy the most stringent real time demands that the 8-/16-bit community deals with every day. When we set about the task of creating the first true TCP/IP stack for these popular processors, we knew that it had to have:

Only Industry Standard Protocols. Of what benefit are closed, proprietary protocols that constrain and confuse your development team? CMX-MicroNet offers only industry standard protocols running right on your target processor and we provide full source code with every sale!

Use your Current Processor. Why should you have to upgrade your current processor, or, worst yet, add another processor just for TCP/IP? Those hardware costs can really add up! CMX-MicroNet allows you to work with your current design and still implement the networking connectivity you need.

An Affordable Pricing Structure. CMX-MicroNet offers a low, one-time fee and no royalties on deployed products. And you get the entire source code for free with every purchase!

Supported Protocols

- TCP
- PPP
- UDP
- SLIP
- IP
- HTTP Web Server
- DHCP
- FTP
- TFTP
- SMTP

Connectivity

- Ethernet
- Wireless Ethernet
- Dial Up
- Direct

Coming Soon!

- POP3

Much more...Let us Know What You Need

CMX-Micronet Configuration Manager

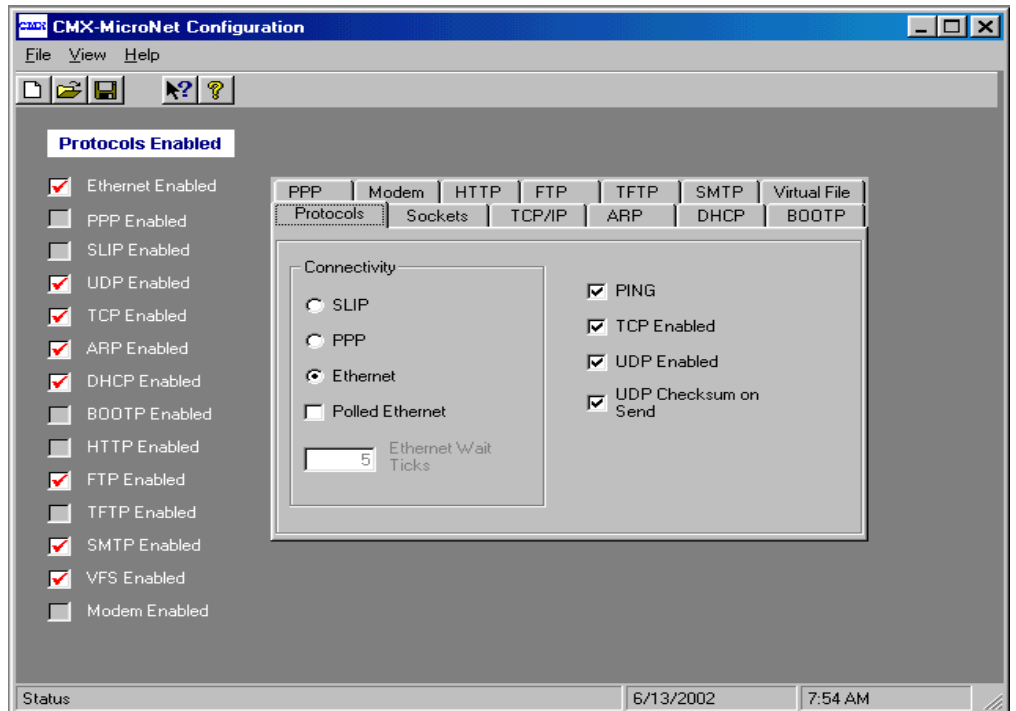
CMX-MicroNet Specifications for ZiLOG Z8 Encore

ROM usage

UDP/IP + core	7214 bytes
TCP/IP + core	17465 bytes
UDP/TCP/IP + core	19469 bytes
PPP	11257 bytes
Modem	812 bytes
HTTP server	8478 bytes
Virtual file	2523 bytes
Ethernet	6884 bytes
DHCP Client	5702 bytes
FTP Server	7916 bytes
TFTP Client	1876 bytes
BOOTP	2018 bytes
SMTP	3742 bytes
Utility	3718 bytes

RAM (not including buffer sizes)

UDP/SLIP	74 bytes
TCP/HTTP/PPP	528 bytes
Ethernet	25 bytes



*CMX-MicroNet is easy to configure and integrate with your application.
Get your embedded processor networked FAST with CMX-MicroNet.*

Important Features of CMX-MicroNet

Do I Need an RTOS?

CMX-MicroNet has been specifically designed to run with or without an RTOS. If you choose to use CMX-MicroNet without an RTOS, as many customers do, it will run well in Polled Mode.

Of course, CMX-MicroNet has been tightly integrated with the CMX-Tiny+ RTOS should your networking application require the services of an operating system. But CMX-MicroNet also has an RTOS porting layer in the code in case you wish to use a different RTOS than one provided by CMX.

CMX believes that our users need this unusual development flexibility to ensure that they are developing the best networked products for their markets.

- **Tested and Proven with Hundreds of Design Wins Around the World**
- **Extremely Small ROM/RAM Requirements**
- **Supports All ZiLOG Z8 Encore Processors**
- **Software Solution does not Require Additional Processor**
- **Web Pages May Contain CGI calls**
- **FTP Files, Including New Firmware**
- **Send Emails**
- **Can Serve up Java Applets**
- **No Proprietary Protocols**
- **Runs Stand Alone or with any RTOS**
- **Economical One Time Fee**
- **Full Source Code Provided**
- **No Royalties on Shipped Products**
- **Excellent Documentation and Support**



CMX-TINY+™ for EZ8™

CMX-Tiny+ RTOS Minimizes RAM Usage for the *ZiLOG Z8 Encore Processors!*

The CMX-Tiny+ real time multi-tasking operating system is an extremely "lean and mean" kernel that provides an optimized, small footprint solution for the Z8 Encore series of processors. This specially designed RTOS allows the user to develop application code that is run under an RTOS and yet only use the onboard RAM that the processor provides! CMX-Tiny+ does not need any external RAM, regardless of whether the processor can support the use of external RAM or not.

CMX-Tiny+'s code size is so small that it allows the processor's onboard FLASH to support both the user's application code and the CMX-Tiny+ code, in most cases. This unique RTOS, based on a scaled down version of the popular CMX-RTX™, retains most of the power of CMX-RTX as well as the more frequently used functions. CMX-Tiny+, a truly preemptive RTOS, also provides support for cooperative scheduling, if desired. CMX-Tiny+ also is fully backward compatible with CMX-Scheduler™ and also is integrated with the CMX-MicroNet™ TCP/IP stack for those applications requiring networking connectivity.

CMX-Tiny+ Specifications for the Z8 Encore:

All CMX Functions:	4306 bytes
CMX Initialize Module:	522 bytes
CMX Assembly Module:	506 bytes

RAM, Each Task Control Block:	12 bytes
FLASH, Each Task Control Block:	6 bytes

Min. Context Switch: 281 cycles (starting a task)
384 cycles (resuming a task)

NOTE:

CMX Functions are contained in a library,
thus reducing code size, if not referenced.

CMX-Tiny+ Features

- ◆ Extremely Small FLASH/RAM Footprint
- ◆ Truly Preemptive RTOS
- ◆ Low Power mode supported
- ◆ Full Source Code With Every Purchase
- ◆ Free Technical Support and Updates
- ◆ Low, Economical Pricing
- ◆ No Royalties on Shipped Products
- ◆ Backward Compatible with CMX-Scheduler
- ◆ Integrated with CMX-MicroNet for Optional Networking Connectivity

A Partial Listing of CMX-Tiny+ Functionality

- Task Management
- Message Management
- System Management
- Event Management
- Resource Management
- Timer Management