



# Development Kit

## MOD5272 / MOD5282 / MOD5270

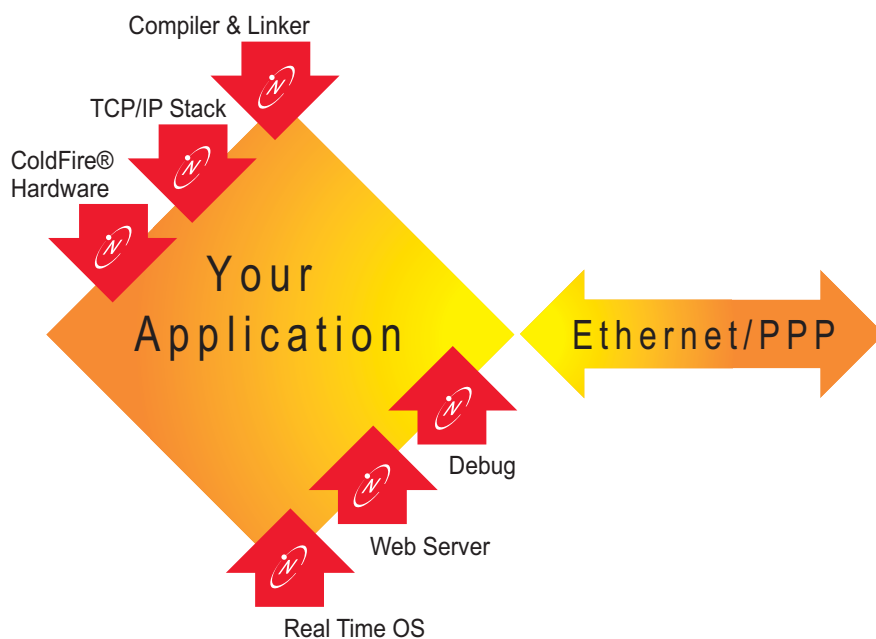


### Features

- Complete set of development tools to write applications for the NetBurner MOD5272, MOD5282, and MOD5270.
- Includes TCP/IP Stack, Web Server, uC/OS, GNU C/C++, GDB graphical debugger, MOD5272, MOD5282, MOD5270, board, development board, configuration and flash network download utilities.
- Create dynamic web pages, send/receive email, create TCP and UDP applications.
- Large number of examples detailing various network and hardware functions.
- Use the Module as a high performance single board computing platform, or as a low cost network processor.
- 32-bit Motorola ColdFire 5272, 5282, 5270 processor with integrated 10/100 Ethernet MAC, A/D inputs and CAN bus.
- Price: \$499 USD

### Customize the MOD5272, MOD5282, or MOD5270 to Suit Any Application

The MOD5272, MOD5282, and MOD5270 development kits enables you to quickly and easily create custom applications. NetBurner has a solid reputation for development platforms to facilitate rapid product development, and these kits provide a complete solution for hardware, software, development and deployment tools. The kit includes the Module hardware platform, TCP/IP Stack, uC/OS Real-time operating system, Web Server, GNU C/C++ compiler and linker, GDB graphical debugger, end-user device configuration and flash update utilities, and much more.



### Key Benefits

- NetBurner hardware and software is fully tested and ready for your application.
- No Porting! The integration effort has already been done and all components work together perfectly.
- You can be up and running immediately.

### Kit Contents

- MOD5272, MOD5282 or MOD-5270 module assembly.
- Development board which provides convenient DB-9 connectors, RS-232 and RS-485 level shifters, Segmented LED display, Real-Time Clock, dip switches, discrete LED's, easy access connectors to processor signals and a switching power supply.
- CD-ROM containing source code, development tools, manuals and documentation.
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)

### Processor

- 32-bit Motorola ColdFire 5272, 5282 or 5270 with integrated 10/100 Ethernet MAC, CAN, and 8 10-bit A/D inputs.

### Network Interface

- 10/100BaseT with RJ-45 connector

### Network Services

- Email
- Web Server
- Telnet
- Multicast
- Ping

### Network Protocols

- ARP
- DHCP
- UDP
- HTTP
- POP3
- PPP
- DNS
- SNMP (optional)
- SSL V3 (optional)
- BOOTP
- TCP
- ICMP
- FTP
- IGMP V2
- SMTP

### SNMP

SNMP is an optional software module and includes:

- SNMP V1, MIBII
- MIB Compiler generator

### Utilities

- Single build command to compile, link, process HTML code, network download to flash, program flash, and reboot target board in just seconds.
- Automatic compile and processing of dynamic HTML and Java
- Network device configuration
- Flash memory updates

### uC/OS Real-Time OS

- Preemptive, priority scheduling
- Semaphores
- Mail Boxes
- Message Queues
- FIFO's
- Timers
- Stack Checking
- Task debugging tools

### Web Server

- Supports Dynamic HTML
- Supports Forms, Cookies and Passwords
- A project directory of HTML documents, gifs, and JAVA classes is compressed into a file that is embedded in the run-time application

### Email

- Send and receive email through an Ethernet or PPP connection

### Runtime Environment

- Complete I/O system supports TCP, Telnet, and both Serial ports. I/O includes read, write, select, fprintf and fscanf functionality
- User Parameter Flash storage routines
- Applications are stored compressed in on-board Flash, and decompressed into RAM at start up. This provides the same environment for RAM based debugging and the end application. Reduces the risk of releasing your product. It runs like it was built
- Embedded Monitor supports serial and network code updates
- Programmable default exception handling

## Contact Information

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