



M5270 PROMO Development Kit

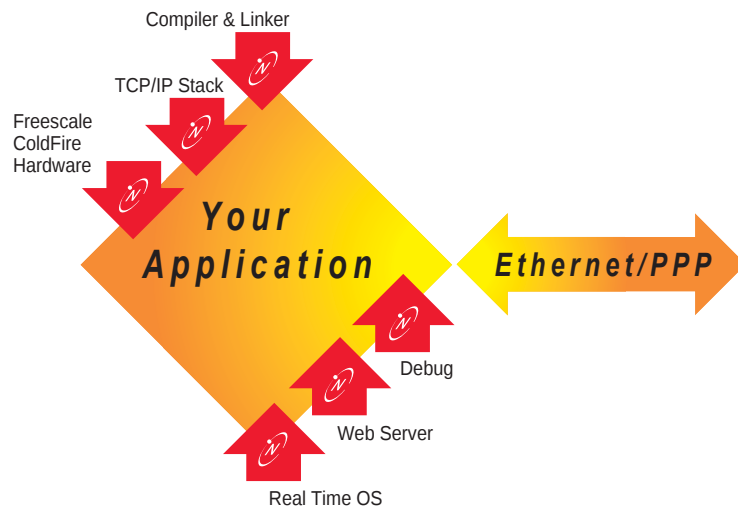
Features

- Complete set of development tools to write applications for the NetBurner Mod5270 core module
- Includes IDE, TCP/IP Stack, Web Server, uC/OS, GNU C/C++, GDB graphical Debugger, Mod5270 module, 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 Freescale ColdFire 5270 processor with integrated 10/100 Ethernet MAC running at 95 MHz.
- Binary release of system files (source code included with M5270 Professional)
- Price: \$249 USD



Customize the Mod5270 to Suit Any Application

The Mod5270 development kit enables you to quickly and easily create custom applications. NetBurner has a solid reputation for development platforms to facilitate rapid product development, and the 5270 Development Kit provides a complete solution for hardware, software, development and deployment tools. The kit includes the Module hardware platform, Integrated Development Environment (IDE), 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

- Mod5270 module assembly
- Integrated Development Environment.
- Development board which provides convenient DB-9 connectors, RS-232 level shifters, easy access connectors to processor signals and a switching power supply.
- CD-ROM containing 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 Freescale ColdFire 5270 running at 95MHz with integrated 10/100 Ethernet MAC.

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

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