

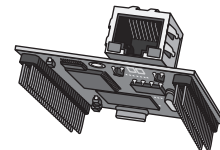
NETBURNER Embedded Modules



Products may be RoHS compliant.
Check mouser.com for RoHS status.

32-BIT 10/100 ETHERNET CORE PROCESSOR MODULES

NetBurner core modules allow you to quickly and easily create an embedded product, create a network-enabled product, or add network connectivity to an existing product. These modules can be used as the main processor or as a secondary network co-processor. Features include: 10/100 Ethernet, digital, analog and serial control.



For quantities of 100 and up, call for quote.

Core Modules

MOUSER STOCK NO.	Netburner Part No.	Clock	Flash	RAM	UARTs	GPIO	Timers	Operating Temperature	Price Each			
									1	10	25	50
820-MOD5234-100IR	MOD5234-100IR	147MHz	2MB	8MB	3	47	8	-40°C to +85°C	139.00	134.03	124.46	116.16
820-MOD5270-100IR	MOD5270-100IR	147MHz	512KB	2MB SD	3	47	8	-40°C to +85°C	79.00	76.86	74.96	73.16
820-MOD5272-100IR	MOD5272-100IR	62MHz	2MB	8MB SD	2	22	4	-40°C to +85°C	139.00	129.46	120.21	112.20
820-MOD5282-100IR	MOD5282-100IR	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C	145.00	137.31	127.50	119.00

Development Kit

Quickly and easily customize your specific application requirements using the NetBurner Network Development Kits.

Development Kit Contents:

- 32-bit Core Processor Module
- Development Board
- CD-ROM
- Network Cables
- Serial Cable
- 12 Volt Power Supply for US/Canada



MOD5270 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each
820-NNDK-MOD5234-KIT	NNDK-MOD5234-KIT	MOD5234 Development Kit	299.00
820-NNDK-MOD5270-KIT	NNDK-MOD5270-KIT	MOD5270 Development Kit	299.00
820-NNDK-MOD5272-KIT	NNDK-MOD5272-KIT	MOD5272 Development Kit	299.00
820-NNDK-MOD5282-KIT	NNDK-MOD5282-KIT	MOD5282 Development Kit	299.00

32 BIT MOD5213 HIGH PERFORMANCE EMBEDDED PROCESSOR MODULE

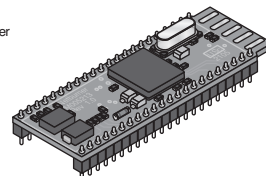
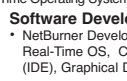
The Mod5213 has a rich set of peripherals making it ideal for both communications and control applications. This small form factor module is targeted at the high performance extended temperature low power market. Available in a 40 pin DIP, the Mod5213 boasts 66MHz of performance on a 32 bit ColdFire platform. The Mod5213 development kit also includes all the tools necessary to complete your embedded design, including a world class IDE, Graphical Debugger, and Real Time Operating System.

Process Specifications:

- 32-bit Freescale ColdFire 5213 running at 66MHz

Hardware Specification:

- 32 KB SRAM
- 256 KB Flash
- MAC Module and HW Divide
- Low-power optimization
- Four 32-bit timer channels with DMA capability
- Four 16-bit timer channels with capture/compare/PWM
- 4-channel 16-bit/8-channel 8-bit PWM generator
- Two periodic interrupt timers (PITs)
- 4-channel DMA controller
- 8-channel 12-bit ADC
- Up to 33 general-purpose I/O
- System integration (PLL, SW watchdog)
- CAN 2.0B controller with 16 message buffers
- Three UARTs with DMA capability



Software Development:

- NetBurner Development Kit includes: Mod5213 Development Board, Real-Time OS, C/C++ Compiler, Integrated Development Environment (IDE), Graphical Debugger, configuration and deployment tools.

Connectors:

- Two standard single row 20-pin 0.1" headers
- PIN Dimensions: 1.9" x 0.6"

Physical Characteristics:

- Industry Standard 40-pin DIP
- Dimensions: 2.0" x 2.6"

Power Requirements:

- DC Input Voltage: 4V - 7V, or 3.3V Regulated
- Operating current: 120mA Environmental
- Operating Temperature: -40 - +85°C

MOD5213 Development Kit

This Development kit contains all the hardware, software, and tools you need to start writing application code for your product or idea immediately. All components are integrated and ready to run so you don't waste any time configuring individual components.

MOD5213 Module

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-MOD5213-100IR	MOD5213-100IR	39.00	37.40	35.97	34.63

MOD5213 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5213-KIT	NNDK-MOD5213-KIT	99.00

32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS

If your application requires TTL level serial ports, just plug in the SB70 and go! If you require RS-232, RS-422 or RS-485, please see the SB72 Ethernet to Serial Processor Board.

SB70 Processor Board

The NetBurner SB70 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB70 comes preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB70 application code can be customized to any specific application requirements with the NetBurner Network Development Kit.

SB70 Processor Board Features:

- Processor: 32-bit Freescale ColdFire 5270 with integrated 10/100 Ethernet MAC
- Speed: 145MPS @ 150MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Flash Memory: 512KB
- SDRAM: 2MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
- Dimensions: 3.25" X 2"

SB72 Processor Board

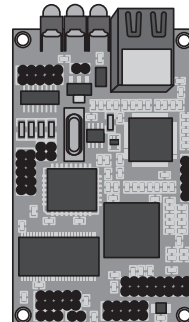
The NetBurner SB72 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB72 comes preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB72 application code can be customized to any specific application requirements with the NetBurner Network Development Kit. The SB72 is similar to the SB70, with the addition of RS-232 and RS-485 level shifters.

SB72 Processor Board Features:

- Speed: 63MPS @ 66MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Serial Ports Supported: RS-232, RS-422, RS-485, TTL
- Flash Memory: 512KB
- SDRAM: 8MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
- Dimensions: 3.25" X 2"

Development Kit Contents:

- SBXX Processor Board
- Adapter board to assist in development. It is not required to operate. The adapter board includes a switching power supply, RS-232 level shifters and two DB-9 connectors.
- 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)



SB70 Processor Board

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-SB70-100CR	SB70-100CR	79.00	76.17	73.32	70.67

SB72 Processor Board

820-SB72-300CR	SB72-300CR	139.00	129.46	120.21	112.20
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SB70 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB70-KIT	NNDK-SB70-KIT	99.00

MOD72 Development Kit

820-NNDK-SB72-KIT	NNDK-SB72-KIT	149.00
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SB72-EX DUAL PORT SERIAL-TO-ETHERNET EXTERNAL DEVICE

SB72-EX to Network-Enable Existing Applications:

The SB72-EX network-enables serial devices right out of the box. The data to Ethernet, enabling communication with the serial device over a network or the Internet. The onboard web server provides easy device configuration using a standard web server.

Hardware Specifications:

- 10/100BaseT with RJ-45 connector
- 32-bit Motorola ColdFire 5272 with integrated 10/100 Ethernet
- 2MBytes flash, 8MBytes of SDRAM
- Power: 12V, 500mA
- Operating Temperature: 0° to 70°C
- Dimensions: 4.2" x 3.0"
- Weight 5 oz
- UL and CUL approvals
- LED's: Link, Speed/Data, Power
- The 2 UARTS can be configured: Two RS-232 ports One RS-232 port, one RS-485/422 port (full or half duplex)

Software Specifications:

- Configuration through Web browser, telnet, SNMP, or NetBurner IP Setup utility
- Password protection
- Firmware updates through network or serial connections

Network Protocols Supported:

- ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP

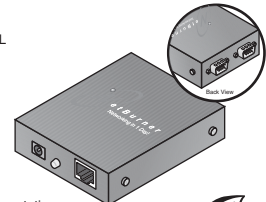
Note: additional protocols supported with development kit.

Development Kit

The SB72-EX Network Development kit contains everything you need to create custom applications on your SB72-EX device: Real-time operating system, TCP/IP Stack, Web Server, C/C++ compiler and linker, Integrated Development Environment (IDE), Debugger, and product deployment tools.

Development Kit Contents:

- SB72-EX Device Box
- 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)



SB-72-EX Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-SB72-EX-100CR	SB72-EX-100CR	179.00	168.79	161.85	155.46

SB-72-EX Device Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB72EX-KIT	NNDK-SB72EX-KIT	299.00

