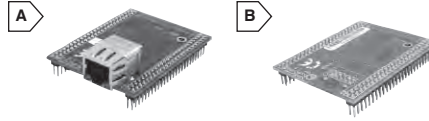


NETBURNER Embedded Modules

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.



PRODUCT **NEW**

Core Modules

MOUSER STOCK NO.	Netburner Part No.	Fig.	Clock	Flash	RAM	UARTs	GPIO	Timers	Operating Temperature	Price Each			
										1	10	25	50
820-MOD5234-100IR	MOD5234-100IR	A	147MHz	2MB	8MB	3	47	8	-40°C to +85°C	139.00	134.03	124.46	116.16
820-MOD5270-100IR	MOD5270-100IR	A	147MHz	512KB	2MB SD	3	47	8	-40°C to +85°C	79.00	77.00	75.00	74.00
820-MOD5272-100IR	MOD5272-100IR	A	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	A	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C	139.00	129.00	119.00	109.00
820-MOD5270-200IR	MOD5270-200IR	B	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C	79.00	78.00	77.00	76.00

For quantities greater than listed, call for quote.

Development Kit Contents:

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



RoHS Compliant

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

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:

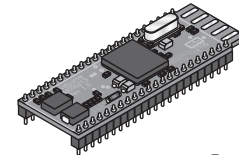
- Two standard single row 20-pin 0.1" headers
- PIN Dimensions: 1.9" x 0.6"

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



RoHS Compliant

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	37.50	36.00	35.00

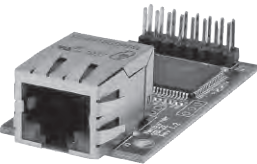
MOD5213 Development Kit

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

SBL2E SERIAL TO ETHERNET MODULE

Features:

- 32-bit Freescale ColdFire 52236 @ 50MHz
- Two TTL serial ports
- RS-232, RS422/485 ready (require external level shifter)
- Four 12-bit analog to digital inputs
- Up to 10 General Purpose I/O Signals
- 10/100 Ethernet
- Serial to Ethernet over TCP or UDP
- DHCP/Static IP Support
- Baud rates up to 115,200 bps
- Custom serial packetization options
- Hardware and software flow control
- Web Based Configuration



Development Kit Contents:

- SBL2e-200IR
- SBL2e-ADPT-100CR evaluation board

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each			
			1	10	25	50
SBL2e Processor Boards						
820-SBL2E-100IR	SBL2e-100IR	Board w/ On-board Ethernet Jack	33.00	31.50	31.50	31.50
820-SBL2E-200IR	SBL2e-200IR	Board w/ 10-pin Ethernet Jack Header	30.00	29.50	29.50	29.50
Development Kits						
820-EVAL-SBL2E-KIT	EVAL-SBL2e-KIT	Evaluation Kit	99.00	-	-	-
820-NNDK-SBL2E-KIT	NNDK-SBL2e-KIT	Software Development kit	299.00	-	-	-

SB7X 32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS

SB70 Processor Board Features:

- Processor: 32-bit Freescale ColdFire 5270 with integrated 10/100 Ethernet MAC
- Speed: 145MIPS @ 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 Features:

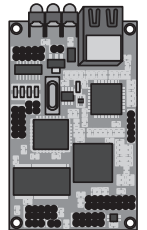
- Speed: 63MIPS @ 66MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Serial Ports Supported: RS-232, RS-422, RS-485, TTL
- Flash Memory: 512KB
- SDRAM: 8MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP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



RoHS Compliant



SB70 Processor Board

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-SB70-100CR	SB70-100CR	92.00	84.15	80.99	77.84

SB72 Processor Board

820-SB72-301CR	SB72-301CR	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. No programming or development is required; the SB72-EX is pre-programmed to convert RS-232, RS-422, RS-485, and TTL 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.

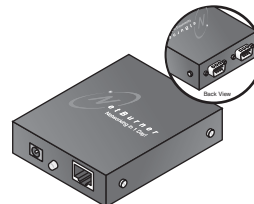
Hardware Specifications:

- 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
- LEDs: 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)

Network Protocols Supported:

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

Note: additional protocols supported with development kit.



RoHS Compliant

For quantities greater than listed, 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