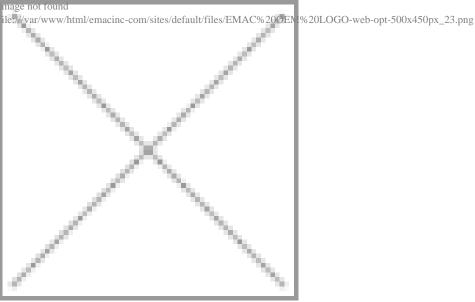


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SoM-9G25 ARM System on Module





Small, 144 pin SODIMM form factor (2.66" x 1.5")

Atmel ARM9 AT91SAM9G25 400Mhz Processor

Up to 128MB of DDR2 RAM

8MB Serial Data Flash, Up to 32MB (Optional)

256MB NAND Flash

Up to 512 NAND (Minimum order quantity applies)

1x 10/100BaseT Ethernet with on-board PHY

6x Serial ports (3 with handshake)

1x USB 2.0 (High Speed) Host port

SOM Type: Microcontroller SODIMM Modules	
Processor Processor.	
Atmel ARM9 AT91SAM9G25	
Clock Speed:	
400 MHz	
Real Time Clock:	
Memory Primary Frash:	
8MB of Serial Data Flash	
Secondary Flash:	
256 MB NAND Flash	
Memory Misc.:	
Up to 32MB Serial Data Flash	
Up to 512 NAND (NCNR - Minimum order quantity applies)	
Please inquire if you solution requires a unique solution such as additional RAM or NAND.	
G. Primary I/O	
18x GPIO	
SDIO:	
1x SDIO	
Disk Interface:	
SD/MMC Flash Card Interface (on Carrier)	
SPI:	
2x SPI Ports	
Audio:	
1x I2S Audio port	
Ethernet:	
1x 10/100BaseT Ethernet with on-board PHY	
USB:	
1x USB 2.0 High Speed Host Port	
1x USB 2.0 High Speed Device Port	
1x USB 2.0 Full Speed Host Port	
Serial Ports:	
6x Serial ports (3 with handshake)	
I2C:	
2x I2C Ports	
Watchdog:	
Secondary I/O	
4x Timer/Counters/PWM	
LPT Port:	
Keypad:	
PS/2:	
Analog on A. P.	
A/D Channels:	
A/D Channels:	
A/D Resolution:	
A/D Resolution: 10 bit	
10 UIL	

Specifications

D/A:
Analog Misc.:
5 Channel, 10-bit Analog-to-Digital converter
Dimensions Dimensions.
$2.66 \times 1.5 \text{ in}$
Form Factor:
144-pin SODIMM
Power Requirements
Power Requirements
3.3 V
Typical Current:
200 mA
Environmental Low Operating Temperature:
-40 C
High Operating Temperature: 85 C
Upper Operating Humidity:
90%
<i>507</i> 0
Pricing Suivi->UZ5M-111
ARM9 / 64MB RAM / 8MB SERIAL DATA / 256MB NAND FLASH / -40 TO +85C
\$99.00
Order:
0
Parent Product:
SoM-9G25M
Base Product:
SoM-9G25M
SoM-9G25M-122
ARM9 / 128MB RAM / 8MB Serial Data Flash / 256MB NAND Flash / -40 TO +85C
\$119.00
Build to Order
Order:
0
Base Product:
SoM-9G25M
Non-Stock Minimum Order:
50
Non-Stock NCNR:
1
Carrier Boards:
SoM-150ES-000
Standard Carrier Board
\$150.00
Base Product:
SoM-150ES
SoM-150ES-007
Bare-Bones Carrier Board
\$100.00
Base Product:

SoM-150ES
SoM-150ES-031
Deluxe Carrier Board with A/D, D/A, Audio
\$220.00
Base Product:

SoM-150ES

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