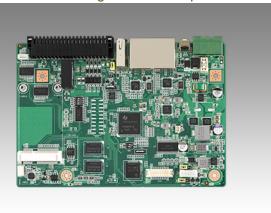


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RSB-4220 RISC Single Board Computer





TI SitaraTM ARM® AM3352 Cortex®-A8 1.0GHz

On-board DDR3 800MHz 512MB & 4MB SPI NOR Flash & 4GB eMMC NAND Flash

Supports 4GPI / 4GPO with isolation & ESD protection (Contact 4KV / Air 8KV)

5x UART with ESD protection (Contact 4KV / Air 8KV)

1x CAN 2.0 A or B

2x Gigabit Ethernet ports and 1x Mini PCIe socket

18-bit LVDS with up to 1366 x 768 resolution

Hardware Watchdog timer for system protection

Operating temperature $0 \sim 60 \,^{\circ}\text{C} / -40 \sim 85 \,^{\circ}\text{C}$

Lower power consumption, fanless design

Supports Linux BSP

TI Sitara AM3352 Cortex A8 Single core 1GHz
Supports multiple I/O interface and HW WTD
System Memory Support
DDR3 800 MHz
Capacity: On board DDR3 512MB
Gigabit Ethernet
Transceiver: Realtek 8211
2 x10/100/1000 Mbps
Peripheral Interface:
1 x Single channel 18 bit LVDS
1 x USB 2.0 host/OTG (by jumper selection)
2 x Giga LAN, 1 x I2C, 1 x CAN, 8 x GPIO w/ isolation
1 x SD Slot
1 x RS-232/422/485, 5 x RS-232)
1 x Reset button
1 x mini PCI-e slot (USB signal only)
HW WDT by MSP430G2202
RSB-4220 is a 3.5" SBC (Single Board Computer) with TI Sitara AM3352 Cortex A8 1GHz processor. The RSB-4220 can support 512MEDDR3 and 4 GB eMMC onboard flash, LVDS, 5 UARTs, 1 USB 2.0 Client, 2 GbE, 1 SD and Mini PCI-e. The RSB-4220 is focus on Automation application and provides customers a high performance and low power consumption on Cortex A8 architecture which is ready to-run, compact, and easy-to-expand in order to meet customers' versatile needs. With flexible I/O interfaces and complete hardware and software solutions, RSB-4220 is a fast time-to-market platform for customers to develop their applications and products easily without considering system integration. SLE 1 ppc. Signals Decord Computers 3.5 Processor Processor. TI Sitara TM ARM® AM3352 Cortex®-A8 Clock Speed: 1 GHz Real Time Clock:
Memory

Processor: TI Sitara series

Primary Flash:
4GB eMMC NAND
Secondary Flash:
4MB SPI NOR Flash
Primary I/O Gr
4x GPI & 4x GPO with isolation
SDIO:
SD card
Disk Interface:
SD card Slot
Video Out:
LVDS
Ethernet:
2 x 10/100/1000 Mbps TI AM3352 integrated RGMII
USB:
1x USB2.0 HOST /OTG (By jumper selection)
Serial Ports:
5x COM (1x 4-wires RS-232/422/485
4x 2-wires RS-232)
Watchdog:
Primary I/O Misc.:
4x GPI/4x GPO (w/isolation)
GPI:
Isolation: 0 ~ 50Voc input and 10KHz speed
GPO:
Isolation, 5 40Voc systems and 10VIII amount
Isolation: 5 ~ 40Voc output and 10KHz speed
(200mA max/chanel sink current)
Secondary I/O
1x CAN bus version 2.0 A & B
LPT Port:
Keypad:
PS/2:
Analog on A, D.
A/D Channels:
N/A
D/A:
D/A Channels:
N/A
11/21
Dimensions Dimensions.
$5.75 \times 4.02 \text{ in}$
Form Factor:
3.5 Inch SBC
Power Requirements
Power Supply Voltage

Power Type: Two poles lockable DC-in
Power Consumption: 3.3W (Max)
Environmental Low Operating Temperature:
O C
High Operating Temperature:
50 C
Upper Operating Humidity:
95%
Environmental Misc.:
Wide temp, $-40 \sim 85$ °C (optional)
Pricing RSD-4220CS
RSB-4220CS-MCA1E, TI AM3352, 512MB RAM, 4GB eMMC NAND, 5x COM, 1X USB2, 2x GbE, 4x GPI, 4x GPO, LVDS 0 ~ 60 °C
\$175.00
Order:
Parent Product:
RSB-4220WS
RSB-4220WS-MCA1E, TI AM3352, 512MB RAM, 4GB eMMC NAND, 5x COM, 1X USB2, 2x GbE, 4x GPI, 4x GPO, LVDS -40 ~ 85
\$225.00
Order:
Parent Product:
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