

EPC-R3220

TI Sitara AM3352 Cortex-A8
Arm-Based边缘智能系统



- TI Sitara™ AM3352® Cortex-A8 800MHz处理器
- 1GB DDR3-800内存, 8GB eMMC NAND闪存
- 2个千兆以太网接口
- 2个RS232/485, 1个USB OTG, 6个GPIO
- 提供WIFI/BT/LTE 解决方案
- 支持Yocto Linux
- 工作温度: -20°C~70°C, 12-24V DC电源
- 配备硬件看门狗计时器提供系统保护



产品介绍

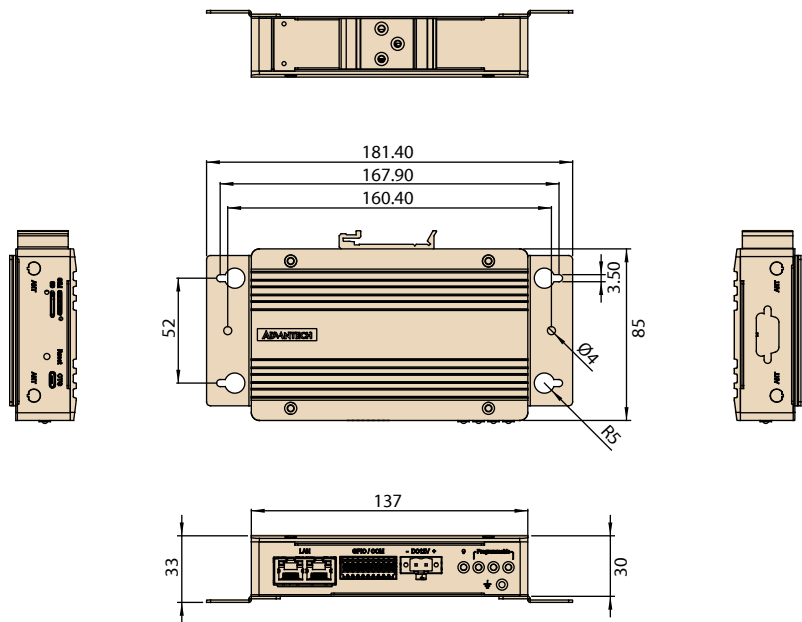
EPC-R3220是一款搭载 TI Sitara AM3352 Cortex-A8 800MHz 处理器的基于RISC的边缘智能网关, 其设计用于需要多接口且低功耗的应用。EPC-R3220工控机提供带有Modbus/OPC-UA协议的用于数据接收的双RS-232/485串行接口、6个用于显示或设备控制的GPIO、双以太网接口、一个WIFI/蓝牙接口, 以及一个可扩展至LTE解决方案的Mini-PCIE接口。该款工控机适用于广泛的电源输入和温度范围, 支持导轨安装以及壁挂安装。

规格

Form Factor	Box computer	
Processor System	CPU	TI Sitara™ AM3352 Cortex®-A8 800MHz processor
	Capacity	1GB of onboard DDR3 at 800 MHz
	Flash	8 GB of eMMC NAND Flash for OS and 4 MB of SPI NOR Flash for ADV loader
Ethernet	Transceiver	RTL 8211
	Speed	2 x 10/100/1000 Mbps
WLAN	WIFI/BT	IEEE 802.11ac/a/b/g/n 2*2 WLAN+BT 4.2 On board (option)
WatchDog Timer	MSP430G2202 (timeout: 1 ~ 6553s, default 60s/power on/off 1s)	
I/O	USB	1 x USB2.0 OTG
	Serial Port	2 x RS232/485 w/ 4wires
	GPIO	6
	I²C	1 by pin header
	SPI	1 by pin header
	Button	1 x Reset button
	Indicator	4 (1 x Power, 3 x User Programmable)
Expansion	Mini PCIe	1/USB signal only
	M.2	NA
	SD Socket	1 x Mirco SD slot
	SIM	1 x Nano SIM slot
	Antenna Hole	4
Power	Power Supply Voltage	12 ~ 24 V DC-in
	Power Type	2-pole lockable DC-in
	Power Consumption	4.7W (burning)
Environment	Operational Temperature	-20 ~ 70 °C
	Operating Humidity	5 ~ 95% relative humidity, non-condensing
Mechanical	Dimensions (W x D x H)	139 x 85 x 30 mm
Operating System	Linux Yocto2.4	
Certifications	CE/FCC/CCC/BSMI	

架构图

Unit: mm



订货信息

Part Number	CPU	Memory	eMMC	SD	Serial	GPIO	USB OTG	LAN	Operating Temperature
EPC-R3220IS-OLA1	TI AM3352 800MHz	1GB	8GB	1	2	6	1	2	-20 ~ 70 °C

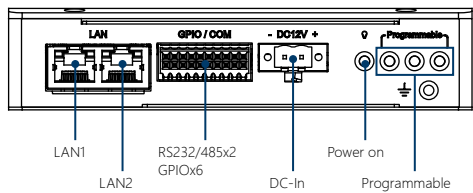
装箱单

Part Number	Description
EPC-R3220IS-OLA1	EPC-R3220 with 1GDDR/8GeMMC w/o WIFI & TPM
1652008019-01	2x10P/2.54 Terminal Plug for COM/GPIO
1652005203	2P 90D(F) Plug-in block for power in

可选配件

Part Number	Description
96PSA-A36W12R1	ADP A/D 100-240V 36W 12V
1700023307-01	DC jack/plug-in cable 1*2P-5.0 10 cm RSB-4220
170203183C	Power cord 3P Europe (WS-010+WS-083) 183 cm
170203180A	Power cord 3P UK 2.5A/3A 250 V 1.83 M
1700001524	Power cord 3P UL 10A 125 V 180 cm
1700019146	Power cord CCC 3P 10A 250V 183cm
ROM-ED20-00A1E	Debug adapter board
1700020442-01	Debug port cable
1700023619-01	USB OTG cable_typeA M to micro USB
1950016423T101	DIN RAIL(BLACK WEAVE)ASS'Y FOR ICE-3105
1960056982T003	MOUNTING BRACKET 2U2X DS-780
1750008800-01	Cable Ant.SMA/F-R-BH MFH4/113 BLK L100
1750008772-01	2Dipole Ant.D.B 2.4+5G WIFI 3/4.4dBi SMA/M-R BLK
968AD00479*	EC20CEFAG-MINIPCIE R2.1 LTE Cat 4 for China
1750008424-01	LTE Antenna Dipole L=148.5mm 4dBi A9703021
1750008461-01	Cable Ant. SMA/F-R-BH R/A MHF/113 WHT L83 WWAN1

I/O 视图



* Please contact us to get suitable LTE solution for your region.