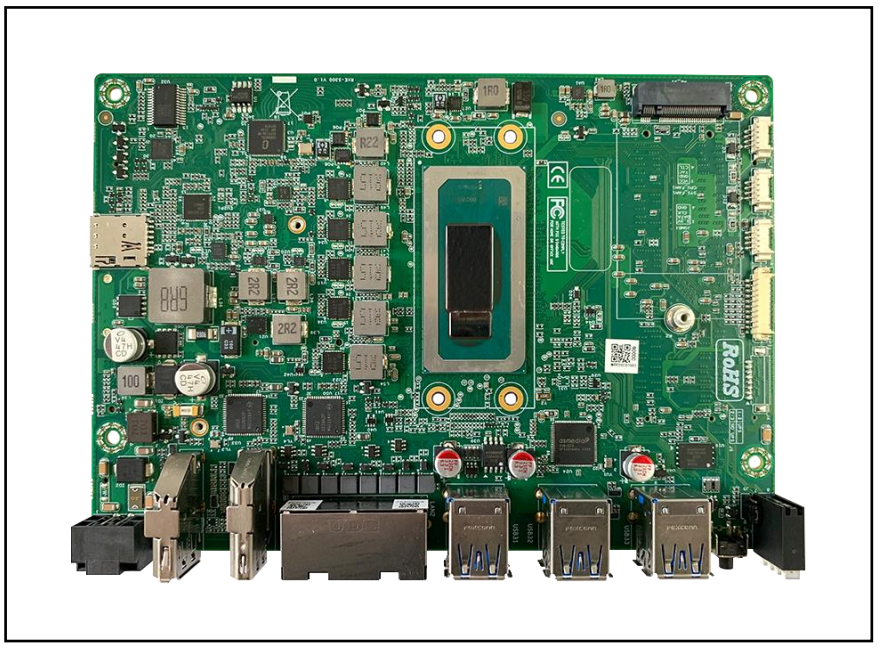
FUTUREROBOT
卓信创驰®

Data Sheet 产品规格书

RXE-5300 Series Single Board PC



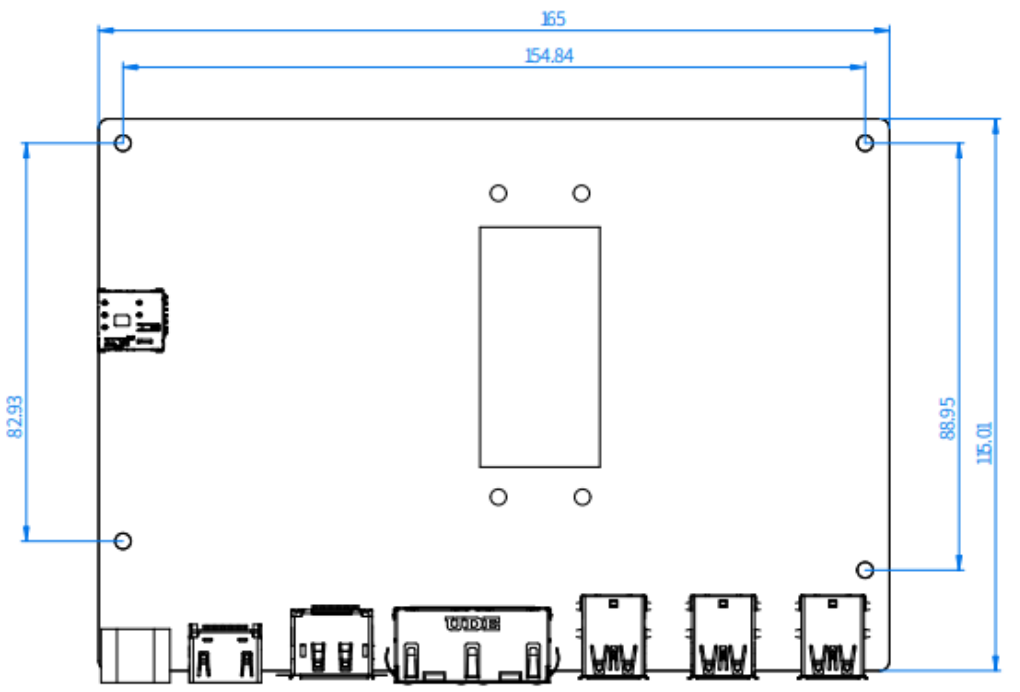
Features 产品特性

- Intel® 12th Gen Alder Lake-P platform CPU
- Dual Channel DDR4 4800 MT/s SO-DIMM, max. 64 GB memory
- 1 x DP, 1 x HDMI, 1 x eDP/LVDS
- 2 x Intel i210-AT GbE LAN (Support POE function)
- 6 x USB 3.0, 3 x internal USB 2.0
- Support 1 x RS-232/422/485, 1 x RS-232 and 8-bit GPIO
- Support CANBus 2.0 A/B, eSPI Bus and SMBus
- 3 x M.2, 1 x SATA3.0, 1 x Nano SIM, 1 x BTB Connector
- Support Watchdog and TPM 2.0

Specifications 规格信息

Specs	Item	RXE-5300 Series
Processor System	CPU	Intel® 12th Gen Alder Lake-P platform CPU
	TDP	45W MAX
	BIOS	AMI 128Mbit SPI Flash
Memory	Sockets	2 x DDR4-4800 SO-DIMM
	Capacity	Max. 64GB
Graphics	Controller	Intel® Iris XeGraphics architecture with up to 96 Eus
	Graphic Features	8K60 12b 4:2:0 HEVC/VP9/SCC，8K30 10b 4:2:0 AV1， 5K60 10b 4:4:4 HEVC/VP9/SCC，4K60 8b 4:2:0 AVC
Display	DP	1 x DP1.4a up tp 4096x2304x36bpp@60Hz,or 5120x3200x24bpp@60Hz
	HDMI	1 x HDMI2.0b up to 4096x2304x24bpp@60Hz
	LCD1	1 x eDP or LVDS Dual Channel 18/24-bit,up to 1920x1200
External I/O	DP	1
	HDMI	1
	Ethernet	2 x Intel i210-AT GbE LAN（Support POE)
	USB 3.0	6
	Reset	1
	LED	4 (Power status, HDD R/W,USER1,USER2)
	Power Button	1
Internal Connectors	USB 2.0	3 x Internal USB2.0
	LCD 1	1
	SATA	1 x SATA3.0
	SATA Power	1
	Serial Port	1 x RS-232/422/485, 1 x RS-232
	GPIO	8-bit general purpose input/output
	GPIO	1-bit general purpose input/output (Watchdog)
	PSE CAN	1 (CANBus 2.0 A/B)
	Audio	1 x HAD
	eSPI Bus	1
	SIM	1 x Nano SIM
	SMBus	1
	Invertor	1
	CPU FAN	1
	SYS FAN	1
	Front Panel Control	Power LED, HD LED, Reset, Power Switch
	JPOWER	1
	RTC Battery	1
	Buzzer	1
	UPS	1(Optional)
Jumps or DIP	eDP Power&Backlight ADJ	1
	Auto Power on/Load BIOS defaut	1
	Buzzer	1
Expansion	M.2 E-Key	1 x M.2 E-Key 2230 support WiFi
	M.2 B-Key	1 x M.2 B-Key 3052 Support 4G USB3.0
	M.2 M-Key	1 x M.2 B/M-Key 2280 PCIe4.0
	Board to Board	1 x 4PCIe x 1/2USB2.0/1I2C/1eSPI/4TTL (TX/RX/CTS/RTS/GND)
Board Feature	Watchdog Timer	65536 lever，0-65535 sec
	TPM	TPM 2.0
Power Requirement	Supply Voltage	DC 9-36V ± 5%
	Power Management	AT/ATX
	Max. Consumption	90W
	Test Environemnt	Intel Core i7-1270P DDR5 32GB x2
Environment	Operating Temperature	-25 ~ 60 °C,Extend -40°~85°C
	Storage Temperature	-40°C~85°C (-40 ~ 185 °F)
	Relative Humidity (Operating)	95%@40°C(Non-Condensing)
	Relative Humidity (Non-Operating)	95%@60°C(Non-Condensing)
Dimensions	L x H	165 x 115mm

Dimensions 尺寸



Interface 接口