

RXE-63B0基于 Intel Apollo Lake 平台的单板电脑





• Features 产品特性

- ✓ Intel® Apollo Lake platform SoC处理器
- √ Max. 8GB LPDDR4 soldered RAM
- ✓ 支持HDMI, eDP/LVDS, VGA 多输出接口独立显示
- ✓支持 DirectX 12.0,OpenGL 4.3, OpenCL 2.0
- \checkmark 2 x Intel I225-V GbE LAN, 3 x USB 3.0, 1 x USB 2.0, 1 x RS-232, 1 x RS-232/422/485
- √3 x M.2, 1 x Nano SIM, 1 x SATA3.0, 1 x UPS(可选), 2Internal USB.20
- ✓ 支持 Watchdog
- ✓ 支持 TPM2.0

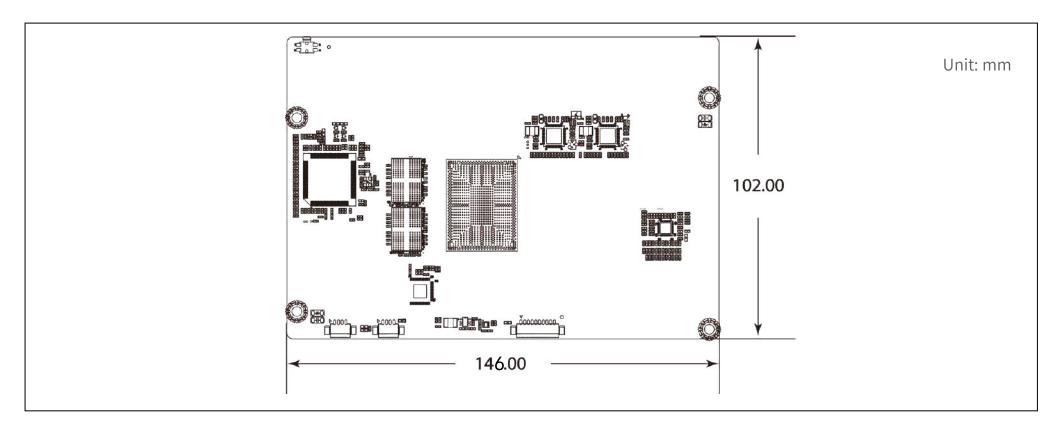
• Specifications 规格信息

Processor System CPU 100 Memory 100 Me	Item	Specs	Description						
Memory Decision of the content of the c		СРИ	Intel Apollo Lake Celeron/Pentium CPU(N3350/J3355/J3455/J4205/N4200)						
Memory Revinated 1 (2004) 1 (2004) Carphics Carcellor 8 (2004) 8 (2004) Display Description 1 (2004) 2 (2004) 1 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (2004) 2 (20	Processor System	TDP	10 W MAX						
Memory		BIOS	AMI UEFI BIOS at 64 Mb						
Graphics Na. Capacity Social miss Cereb Graphic Engine Display Consulter Discretifue, Operal 3.8, Operal 3.8, Operal 3.8, Operal 3.8, Operal 3.8, Operal 3.9, Operal 3.8, Operal 3.9, Operal 3.9 External I/O 1983 3 3 <t< th=""><td>Momony</td><td>Technology</td><td>LPDDR4</td></t<>	Momony	Technology	LPDDR4						
Graphics Graphic Features Diversit 123, Coard. 1.20, No Secole 1.20, N. PECCAL PCC, VRID. PCC CANAPC Display MONI 2 MAN PART SERVICE QUESTION QU	Memory	Max. Capacity	8 GB						
Page	Graphics	Controller	Intel Gen9 Graphic Engine						
Display 100	Graphics	Graphic Features	DirectX 12.0, OpenGL 4.3, OpenCL 2.0,HW Decode: H.264, MPEG2, VC-1, WMV9, H.265/HEVC, VP8, JPEG/MJPEG						
No. No.		НДМІ	1x HDMI 3840 x 2160 @ 30Hz						
	Display	LCD 1	1x eDP/LVDS Up to 1920x1200 60Hz						
External I/O 15 External I/O 100 1 IDD Power status, PIDD RNU,ESR1,USR22 IDD Power status, PIDD RNU,ESR1,USR22 IDD Internal Intern		VGA	1x Max Resolution up to 1920 x 1200@60Hz						
External I/O 1 Power status, I+DD RW, USER LUSER2 LD Power status, I+DD RW, USER LUSER2 SIM 1 x Namo SIM Ethernet 2 x Cobe (red Id 122-by) VEA 2 x Cobe (red Id 122-by) VEA 2 x Cobe (red Id 122-by) VEA 1 x RS 232/27-2485, 1x 85-232 Serial Port 4 x TIT TX, PROCESTATS, GR(D) Serial Port 4 x TIT TX, PROCESTATS, GR(D) MEDIO 1 x HDA SHSUB 1 HPC 1 x HDA Fort Port A color of Port ID (Port ID ID) 1 x HDA UPS 1 x ID (Port ID ID) 4 x HDA UPS 1 x ID (Port ID ID) 1 x HDA M 2 E Roy 1 x M2 E Roy (224) Support X GU SESO 1 x HDA M 2 E Roy 1 x M2 E Roy (224) Support X GU SESO 1 x M2 E Roy (224) Support X GU SESO M 2 E Roy 1 x M2 E Roy (224) Support X GU SESO Sector D ROSS Sector D ROS		USB 3.0	3						
Exernal I/O ED Power status, HDD RRWUSSEILUSSEI2 SM 1x Mano SIM Ethernet 2x Gebernel 1225V VEA 1 VEA 1 SMT 3.0 1 SMT 3.0 1 SMI Port 1 x RS 222/4222,985, 1x RS 232 EMP OF IRE PORT 4 x (TITL XXRX/TSK) FIX/SIGND) EMP OF IRE PORT 1 x HDA Audio 1 x HDA SMB Us 1 EVEN ID 4 CPU FAM 1 x HW HW STATISTISTORY) EVEN ID 4 USE LID 4 M2 EVEN ID 4 M2 EVEN ID 1 x M 2 x 44WH STATISTISTORY) EVEN ID 4 1 x 44WH STATISTISTORY) EVEN ID 4 1 x 44WH STATISTISTORY) EVEN ID 4 1 x 44WH STATISTISTORY) EVEN ID X 2 k key 1 x 42 k key 3000 x thyort EVEN ID X 2 k key 1 x 42 k key 3000 x thyort EVEN ID X 2 k key 1 x 42 k key 3000 x thyort EVEN ID		USB 2.0	1						
March Marc	External I/O	НДМІ	1						
Primer P		LED	Power status, HDD R/W,USER1,USER2						
NS 20 2		SIM	1x Nano SIM						
Parameter Par		Ethernet	2x Gbe Intel I225-V						
Internal Connectors Serial Port 1 x RS-232/422/435, 1x RS-232 Internal Connectors Serial Port 4 x (TTL TX/RX/CTS/RTS/GND) GPIO 8 MSUBS 1 thDA IPC 1 CPU FAN 1 x 4Wire Smart Fan_IZY@2A Front Panel Control Power LED, HD LED, Reset, Power Switch USE IED 4 UPS 1/Optional! UPS 1 XM 2E-Rey 2242 Support WirF FI Expansion M2 E-Rey 1 x M.2 E-Rey 2242 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 A2 M-Rey 1 x M.2 E-Rey 2328 Support 4G USB3.0 Board Feature 2 Supply Voltage 65538 lever, 0-65538 sec Power Management 3 Type 2 Support 4 Type 2 Support Power Management 3 Type 2 Support 3 Type 2 Support Rest Environment 4 Type 2 Support <		USB 2.0	2						
Paris		VGA	1						
Internal Connectors Serial Port 4 x (TTL TX/RX/CTS/RTS/GND) OPIO 8 Audio 1x HDA SMBUS 1 LPC 1 CPUFAN 1x 4-Wire Smart Fan,12V@2A Front Panel Control Power LED, Hb LED, Reset, Power Switch User LED 4 UPS 1(Optional) M2 E-Key 1x M.2 E-Key 2242 Support Wi-Fi M2 E-Key 1x M.2 B-Key 2052 Support 4G USB3.0 M2 M-Key 1x M.2 B/M-Key 2280 Sata3.0 M2 M-Key 1x M.2 B/M-Key 2		SATA 3.0	1						
Internal Connectors GPIO 8 Audio 1x HDA SMBus 1 LPC 1 CPU FAN 1 x 4-Wire Smart Fan,12V@2A Front Panel Control Power LED, HD LED, Reset, Power Switch User LED 4 UPS 1x M2 E-Key 92x24 Support WFFI Expansion M2 E-Key 1x M2 E-Key 92x24 Support WFFI M2 M-Key 1x M2 E-Key 92x24 Support WFFI M2 M-Key 1x M2 E-Key 92x24 Support WFFI Watchdog Timer 65536 lever, 0-65535 sec TPM TPM 2.0 Power Requirement 4 7x M2		Serial Port	1 x RS-232/422/485, 1x RS-232						
Internal Connectors Audio 1x HDA SMBus 1 LPC 1 CPU FAN 1x 4-Wire Smart Fan,12V@2A Front Panel Control Power LED, HD LED, Reset, Power Switch UPS 1 (Optional) Expansion M.2 E-Key 1 x M.2 E-Key 2242 Support W-FT M.2 B-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M.2 M-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M.2 M-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M.2 M-Key 6553 Bever, 0-6533 See TPM 1 PM 2.0 TPM 2.0 1 PM 2.0 TPM 2.0 1 PM 2.0 Power Management AT/ATX Max. Consumption 35W Text Environment Intel J4205 4G OS OS Support Windows 10, Linux Environment Operating 0-60°C, Extend 40°-85°C Environment Non-Operating 40°-85°C (40°-185°F)		Serial Port	4 x (TTL TX/RX/CTS/RTS/GND)						
MBUS 1 1 1 1 1 1 1 1 1		GPIO	8						
LPC	Internal Connectors	Audio	1x HDA						
Power Requirement Power Management		SMBus	1						
Front Panel Control Power LED, HD LED, Reset, Power Switch User LED 4 UPS 1(Optional) Expansion M2 E-Key 1 x M.2 E-Key 2242 Support Wi-Fi M2 B-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M2 M-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M2 M-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M2 M-Key 1 x M.2 B-Key 3052 Support 4G USB3.0 M2 M-Key 65536 lever, 0-65535 sec TPM TPM 2.0 TPM 2.0 TPM 2.0 Power Requirement Power Management AT/ATX Max. Consumption 3 SW Test Environment Test Environment Windows 10, Linux OS OS Support Windows 10, Linux Environment Temperature Operating 0~60°C, Extend 40°-85°C		LPC	1						
User LED		CPU FAN	1 x 4-Wire Smart Fan,12V@2A						
Expansion UPS 1(Optional) Expansion M.2 E-Key 1x M.2 E-Key 2242 Support Wi-Fi M.2 B-Key 1x M.2 B-Key 3052 Support 4G USB3.0 M.2 M-Key 1x M.2 B/M-Key 2280 Sata3.0 Board Feature Watchdog Timer 65536 lever, 0-65535 sec TPM TPM 2.0 TPM 2.0 Power Management AT/ATX Max. Consumption 35W Test Environment Intel J4205 4G OS OS Support Windows 10, Linux Environment Operating 0 ~ 60 °C, Extend ~40 ~85°C Non-Operating ~40 ~85°C (~40 ~ 185°F)		Front Panel Control	Power LED, HD LED, Reset, Power Switch						
Expansion M.2 E-Key 1x M.2 E-Key 2242 Support Wi-Fi M.2 B-Key 1x M.2 B-Key 3052 Support 4G USB3.0 M.2 M-Key 1x M.2 B/Key 2280 Sata3.0 Board Feature Watchdog Timer 65536 lever, 0.65535 sec TPM TPM 2.0 TPM 2.0 Power Management DC 24V ± 5% Power Management AT/ATX Max. Consumption 35W Test Environment Intel J4205 4G Operating 0 ~ 60 °C, Extend .40° ~85°C Environment Non-Operating .40 ~85°C (-40 ~ 185 °F)		User LED	4						
Expansion M.2 B-Key 1x M.2 B-Key 3052 Support 4G USB3.0 Board Feature Watchdog Timer 65536 lever, 0-65535 sec TPM TPM 2.0 Apply Voltage DC 24V ± 5% Power Management AT/ATX Max. Consumption 35W Test Environment Windows 10, Linux OS OS support Windows 10, Linux Environment Operating 0 ~ 60 °C, Extend ~40°-85°C Non-Operating ~40 ~ 85°C (~40 ~ 185°F)		UPS	1(Optional)						
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Board FeatureWatchdog Timer65536 lever, 0-65535 secTPMTPM 2.0TPM 2.0DC 24V± 5%Power ManagementAT/ATXMax. Consumption35WTest EnvironmentIntel J4205 4GOSOS SupportWindows 10, LinuxEnvironmentOperating 0 ~ 60 °C, Extend -40 °~85 °CEnvironmentNon-Operating -40 ~ 85 °C (-40 ~ 185 °F)		M.2 B-Key	1x M.2 B-Key 3052 Support 4G USB3.0						
Board FeatureTPMTPM 2.0Power RequirementSupply VoltageDC 24V ± 5%Power ManagementAT/ATXMax. Consumption35WTest EnvironmentIntel J4205 4GOSOS SupportWindows 10, LinuxEnvironmentPemperature		M.2 M-Key	1x M.2 B/M-Key 2280 Sata3.0						
Power Requirement Supply Voltage DC 24V ± 5% Power Management AT/ATX Max. Consumption 35W Test Environment Intel J4205 4G OS OS Support Windows 10, Linux Environment	Doord Footons	Watchdog Timer	65536 lever,0-65535 sec						
Power Requirement Power Management	board reactive	ТРМ	TPM 2.0						
Max. Consumption 35W Test Environment OS OS Support Temperature Max. Consumption 35W Intel J4205 4G Windows 10, Linux Operating 0 ~ 60 °C, Extend -40 °~85 °C Non-Operating -40 ~ 85 °C (-40 ~ 185 °F)	Power Requirement	Supply Voltage	DC 24V ± 5%						
Max. Consumption 35W Test Environment Intel J4205 4G OS OS Support Windows 10, Linux Coperating 0 ~ 60 °C, Extend -40°~85°C Temperature Non-Operating -40 ~ 85 °C (-40 ~ 185 °F)		Power Management	AT/ATX						
OS OS Support Windows 10, Linux Operating 0 ~ 60 °C, Extend -40°~85°C Imperature Non-Operating -40 ~ 85 °C (-40 ~ 185 °F)		Max. Consumption	35W						
Operating 0 ~ 60 °C, Extend -40°~85°C		Test Environment	Intel J4205 4G						
Environment Temperature Non-Operating -40 ~ 85 °C (-40 ~ 185 °F)	os	OS Support	Windows 10, Linux						
Non-Operating -40 ~ 85 °C (-40 ~ 185 °F) Environment	Environment	_	Operating 0 ~ 60 °C, Extend -40°~85°C						
Environment		I emperature	Non-Operating -40 ~ 85 °C (-40 ~ 185 °F)						
Operating 40 ℃ @ 95% RH Non-condensing			Operating 40 °C @ 95% RH Non-condensing						
Humidity Non-Operating 60 °C @ 95% RH Non-condensing		Humidity	Non-Operating 60 °C @ 95% RH Non-condensing						
Physical Characteristics Dimensions (L x H) 146 x 102 mm	Physical Characteristics								

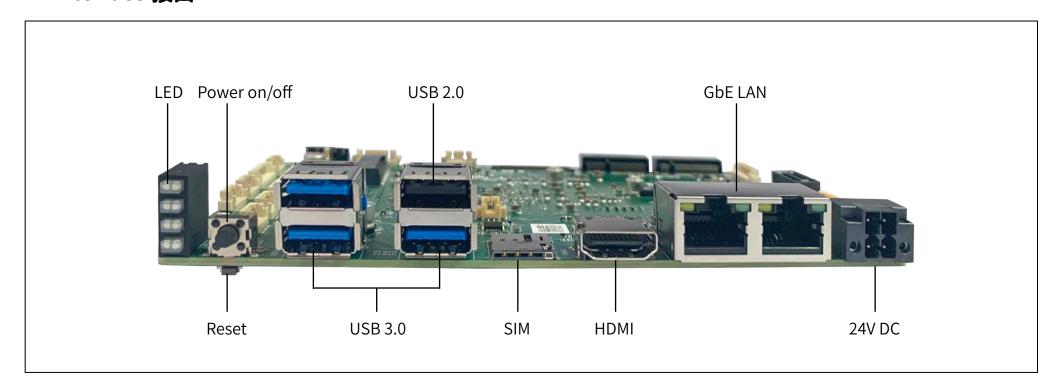
Rev. 001 August 2022



• Dimensions 尺寸



• Interface 接口



• Ordering Information 订购信息

Part Number	CPU	Mem	GbE	USB 3.0	USB2.0	Serial Port	НДМІ	SIM	m.2	SATA 3.0	VGA	LCD 1	DC-Input
63B0-1200	N3350	4G	2	3	1	6	1	1	3	1	1	1 eDP/LVDS	24V
63B0-2200	J3355	4G	2	3	1	6	1	1	3	1	1	1 eDP/LVDS	24V
63B0-3200	J3455	4G	2	3	1	6	1	1	3	1	1	1 eDP/LVDS	24V
63B0-4200	N4200	4G	2	3	1	6	1	1	3	1	1	1 eDP/LVDS	24V
63B0-5200	J4205	4G	2	3	1	6	1	1	3	1	1	1 eDP/LVDS	24V

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