

SXC-RL30

Intel® Alder Lake/Raptor Lake-U Processor based Fanless Mini PC
with 2LAN, 2COM, 7USB, 4HDMI2.0



Features

- CPU: Intel® Alder Lake/Raptor Lake-U Processor
- Memory: Dual Channel SO-DIMM DDR5 up to 64GB
- GPU: Integrated Intel® UHD/Iris® Xe Graphics
- Ethernet: 2xIntel i226(10/100/2500Mbps)
- Storage: M.2 Key M for NVMe/SATA, M.2 Key B for SATA SSD/4G
- I/O Ports: 2xLAN, 2xCOM, 2xUSB3.2, 4xUSB2.0, 4xHDMI2.0, USB-C
- Expansion: M.2 Key E for Wi-Fi and Bluetooth, Nano SIM
- Power: 12V/19V DC-IN or 9-35V Phoenix optional
- Support HDMI Hot-Plug Lock, RTC/W



Introduction

The MAXTANG SXC-RL30 is a compact, fanless embedded mini PC powered by the Intel Alder Lake-U/Raptor Lake-U Series processor with integrated Intel UHD/Iris Xe Graphics, delivering robust computing performance and advanced multi-display capability. Supporting up to four display outputs via HDMI 2.0, it enables rich, synchronized visuals ideal for digital signage, control rooms, and industrial applications. Flexible connectivity—including dual 2.5 Gigabit LAN, two COM ports (RS232/RS485 optional), seven USB ports, and M.2 expansion—ensures seamless integration with diverse systems and peripherals.

Engineered for reliability in demanding environments, the SXC-RL30 features passive cooling, wide-range power input (12V/19V DC-IN or 9V-35V via Phoenix connector), and stable operation across an extended -20°C to 60°C temperature range. Security and manageability are enhanced with optional TPM, Real-Time Clock with daily scheduling, and support for both Windows and Linux. Combining performance, durability, and adaptability, the SXC-RL30 is a future-ready solution for industrial automation, AI edge computing, and immersive multi-display deployments.



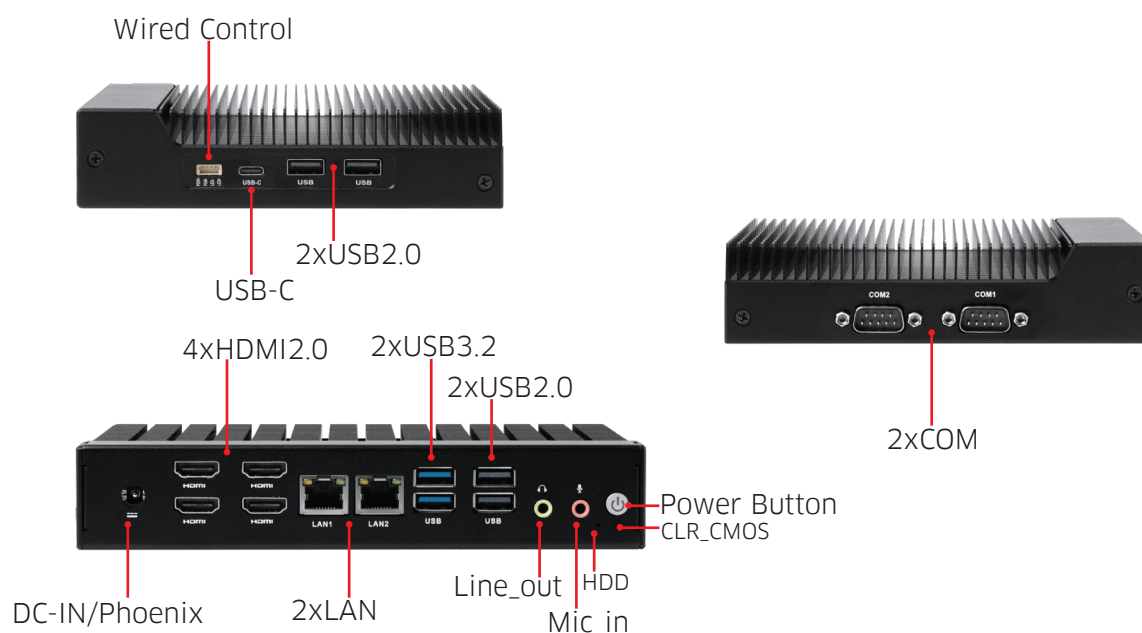
H/W Monitor



Watchdog



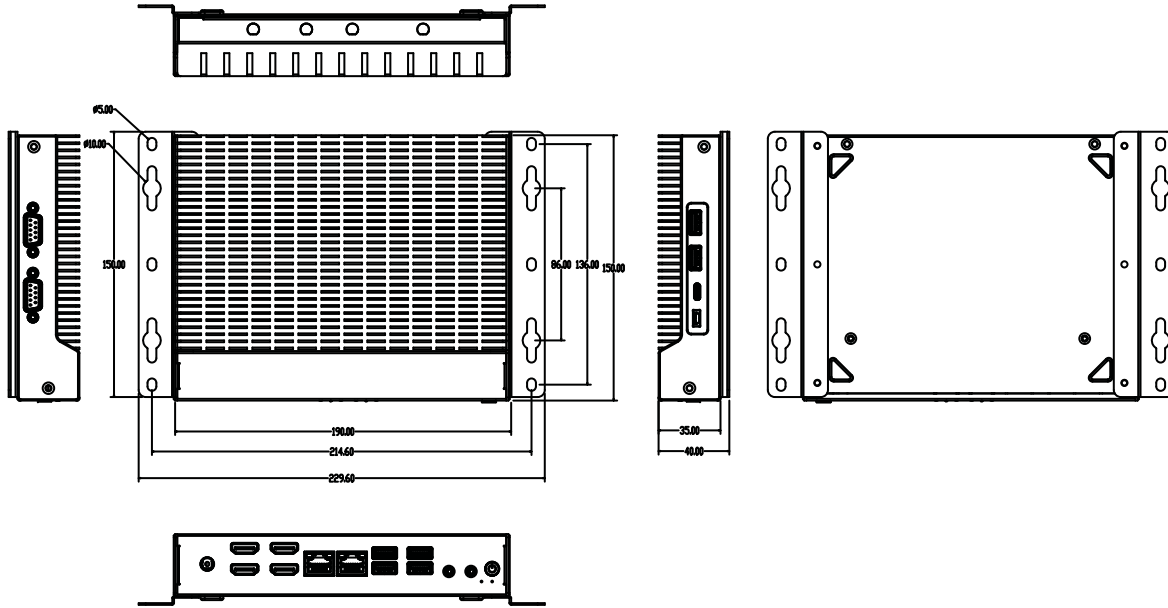
I/O Interfaces



Technical Specifications

Processor	Alder Lake-U Series	i3-1215U	i5-1235U	i7-1255U	
	Total Cores/Threads	6C/8T	10C/12T	10C/12T	
	P-core Max Turbo Frequency	4.40GHz	4.40GHz	4.70GHz	
	E-core Max Turbo Frequency	3.30GHz	3.30GHz	3.50GHz	
	Intel® Smart Cache	10MB	12MB	12MB	
	Raptor Lake-U Series	i3-1315U	i5-1335U	i7-1355U	
	Total Cores/Threads	6C/8T	10C/12T	10C/12T	
	P-core Max Turbo Frequency	4.50GHz	4.60GHz	5GHz	
	E-core Max Turbo Frequency	3.30GHz	3.40GHz	3.70GHz	
	Intel® Smart Cache	10MB	12MB	12MB	
	BIOS	AMI UEFI BIOS			
	Memory	Type	Dual Channel SO-DIMM DDR5		
		Max. Capacity	64GB		
	Display	GPU	Integrated Intel® UHD/Iris® Xe Graphics		
Interface		4x HDMI2.0, supports HDMI Hot-Plug Lock			
Max Resolution		Up to 4K @ 60Hz			
Ethernet	Controller	2x Intel i226			
	Max. Speed	10/100/100/2500Mbps			
	Interface	2x RJ45			
	Wake on LAN	Yes			
Audio	Audio Codec	SenaryTech SN6186			
	Interface	1x Line-out, 1xMic-in			
Storage	M.2_N	1x M.2 Key_M Slot for 2280 NVMe/SATA SSD			
	M.2_W/S	1x M.2 Key_B Slot for 2242/2280 SATA SSD or 3042 4G Module			
Expansion	M.2_E	1x M.2 Key_E Slot for 2230 Wi-Fi and Bluetooth Module			
	Nano SIM	1x Nano SIM Slot			
Other I/O	COM	2x COM(RS232 by default, RS485 optional through hardware changes)			
	USB2.0	4xUSB2.0			
	USB3.2	2xUSB3.2			
	USB-C	1xUSB-C(USB3.2 only)			
	Wired Control	1			
	TPM	Onboard, optional			
	Real Time Clock	RTC	Support RTC set up, independently for each day of the week.		
Dimension	Size	190mm x 150mm x 35mm			
Weight	N.W.	1.06KG			
Power	Standard Port	12V/19V DC-IN			
	Optional	9V-35V Phoenix Connector			
Temperature	Operating Temp.	- 20°C to 60°C			
	Storage Temp.	- 40°C to 80°C			
Cooling Method	Passive				
Operating System	Windows 10/11 64bit, Linux 64bit				

Dimension (mm)



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