DATASHEET

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 SSD, 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

intel prestige partner Builder

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

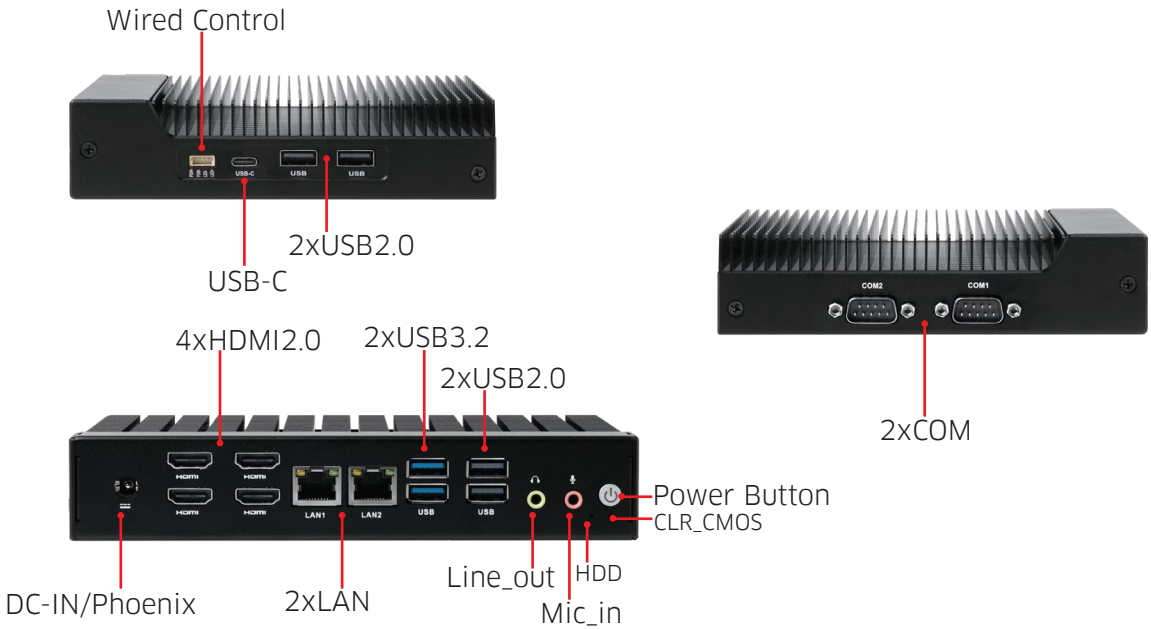
Introduction

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.

Linux
ubuntu
Windows
H/W Monitor
Watchdog
HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

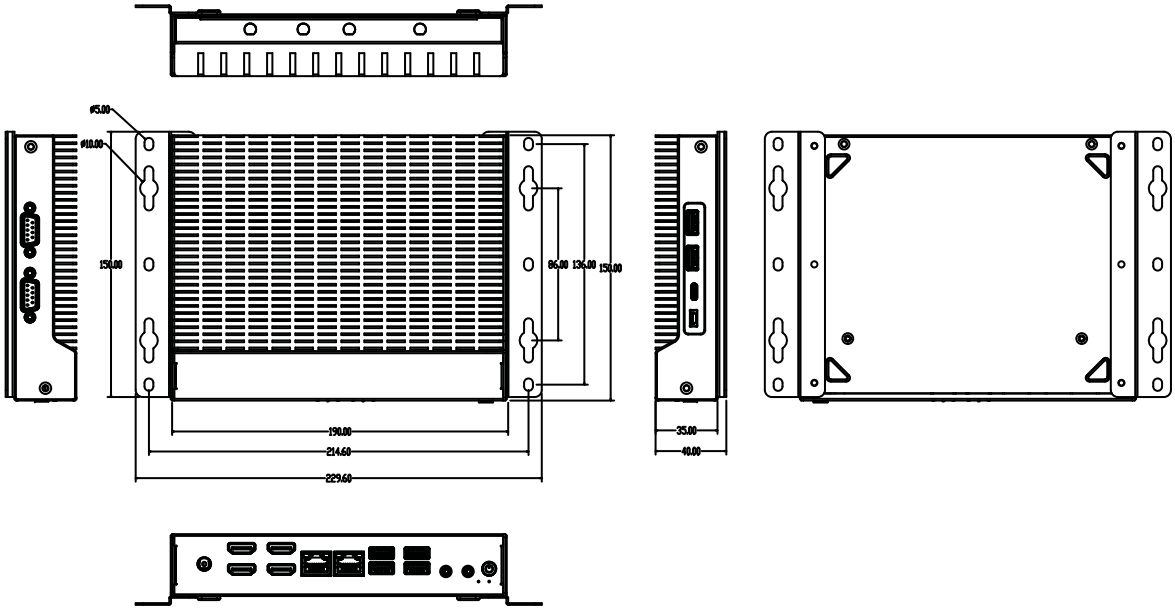


Technical Specifications

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	10/100/1000/2500Mbps		
	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 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		

* All specifications and photos are subject to change without notice.

Dimension (mm)



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