DATASHEET

SXC-ARL30

Intel® Meteor Lake/Arrow Lake Series CPU based Embedded Mini PC supports up to four displays with Intel® AI Boost NPU

Features

- CPU: Intel® Meteor Lake/Arrow Lake-U/H Processor
- Memory: Dual Channel SO-DIMM DDR5 up to 96GB
- GPU: Integrated Intel® Graphics, Max Four Displays.
- Ethernet: 10/100/1000/2500Mbps
- Storage: M.2_N Slot for NVMe SSD, M.2_SW Slot for SATA SSD/4G
- I/O Ports: 2xLAN, 2xCOM, 4xUSB3.2, 2xUSB2.0, 4xHDMI, USB-C
- Expansion: M.2_E Slot for Wi-Fi(support CNVi, PCIe&USB), Nano SIM
- Power: 19V DC-IN/9-36V Phoenix optional
- Support Intel® AI Boost NPU, HDMI Hot-Plug Lock, RTC/W

intel IoT Solutions Alliance
Industrial Solution Builders Specialist

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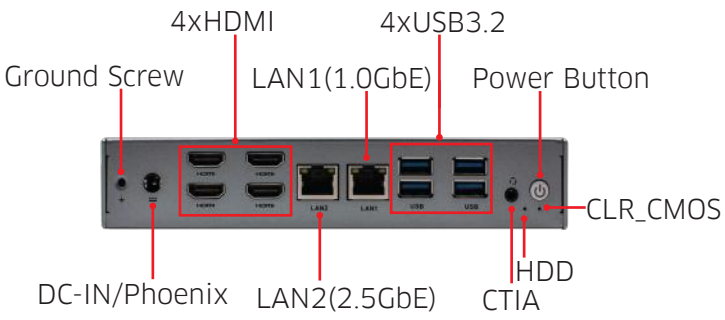
Introduction

The SXC-ARL30 is a compact and powerful embedded mini PC featuring Intel® Meteor Lake/Arrow Lake Series CPUs with up to 16 cores, delivering exceptional performance for industrial and AI-driven applications. It supports up to four displays via HDMI and USB-C, powered by integrated Intel® Graphics or Intel® Arc™. With dual-channel DDR5 memory expandable to 96GB, Intel® AI Boost NPU, and compatibility with leading AI frameworks, it excels in edge computing tasks.

This device offers robust connectivity with dual LAN ports (up to 2.5Gbps), multiple USB and COM ports, and flexible storage via NVMe or SATA SSDs. New features include **HDMI Hot-Plug lock** for enhanced display stability and support for **RTC (Real-Time Clock) setup independently for each day of the week**, enabling highly customizable scheduling options. Its wide temperature range, passive/active cooling, and rugged design ensure reliable operation in diverse environments. Perfect for AI, automation, and multiple displays applications.

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

I/O Interfaces



- FAN/FANLESS

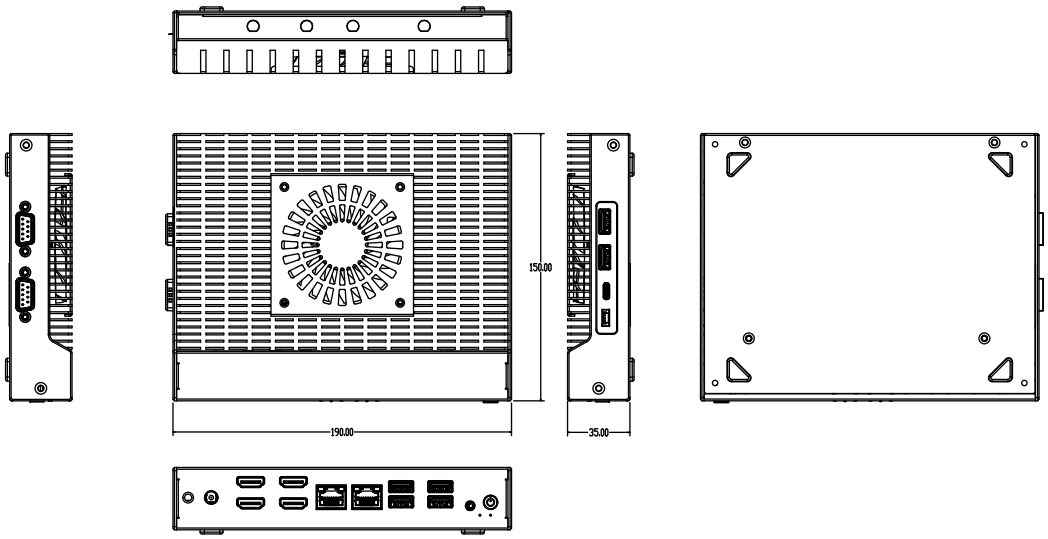
Technical Specifications

Processor	Intel Core™ Ultra 5	125U	125H	155H
	Total Cores/Threads	12C/14T	14C/18T	16C/22T
	P-core Max Turbo Frequency	4.30GHz	4.50GHz	4.80GHz
	E-core Max Turbo Frequency	3.60GHz	3.60GHz	3.80GHz
	Intel® Smart Cache	12MB	18MB	24MB
	Processor Base Power	15W	28W	28W
	GPU	Intel® Graphics(125U)/Intel® Arc™ graphics(125H, 155H)		
	NPU	Intel® AI Boost		
	AI Software Frameworks	Supported by NPU: OpenVINO™, WindowsML, ONNX RT.		
		DirectML(125U/125H), WebGPU(125U).		
	BIOS	AMI UEFI BIOS		
Memory	Type	Dual Channel SO-DIMM DDR5		
	Max. Capacity	96GB		
Display	Graphics	Integrated Graphics depends on the CPU model, see GPUs.		
	Display via	4x HDMI2.0+USB-C(DP1.4)		
	Max. Displays	Four Screens for Mutiple Displays		
		HDMI Hot-Plug Lock		
Ethernet	Max. Speed	10/100/1000/2500Mbps		
	Controller	LAN1: 1xIntel i219(1.0GbE), LAN2: 1xIntel i226(2.5GbE)		
	Interface	2x RJ45		
	Wake on LAN	Yes		
Audio	Audio Codec	High Definition Audio Codec. Realtek ALC897		
	Interface	1x CTIA 2 in 1 Audio Jack		
Storage	M.2_N	1x M.2_2280 Slot for NVMe SSD		
	M.2_SW	1x M.2_2280 Slot for SATA SSD/4G		
Expansion	M.2_E	1x M.2_2230 Slot for Wi-Fi&BT. Support CNVi, PCIe & USB.		
	Nano SIM	1x Nano SIM		
Other I/O	COM	2x COM(RS232 by default, RS485 optional)		
	USB2.0	2		
	USB3.2	4		
	USB-C	1xUSB-C(USB3.2+DP1.4)		
	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.	TBD		
Power	Standard Port	19V DC-IN.		
	Optional	9-36V Phoenix_2PIN		
Temperature	Operating Temp.	- 20°C to 60°C		
	Storage Temp.	- 40°C to 80°C		
Cooling Method		Passive(125U)/Active(125H/155H)		
Operating System		Windows 11 64bit, Linux 64bit		

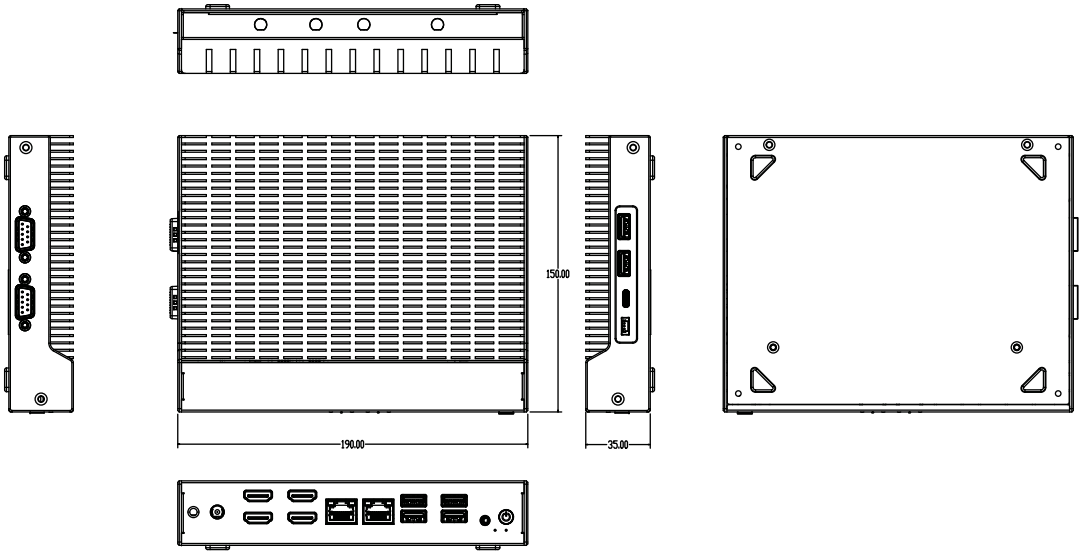
* All specifications and photos are subject to change without notice.

Dimension (in mm)

- ACTIVE COOLING



- PASSIVE COOLING



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