DATASHEET

SXC-FP530

AMD Ryzen™ Embedded R2000 Series Processor based Fanless Mini PC supports four displays with 4HDMI2.0, 2LAN, 2COM, 7USB



Features

- CPU: AMD Ryzen™ Embedded R2000 Series Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64GB
- GPU: AMD Radeon™ Graphics, support four displays up to 4K@60Hz
- Ethernet: 2xRealtek RTL8111H(10/100/1000/Mbps)
- 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

AMD
together we advance_

AMD RYZEN Embedded | AMD RADEON GRAPHICS

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Introduction

The MAXTANG SXC-FP530 is a compact, fanless embedded mini PC powered by the AMD Ryzen™ Embedded R2000 processor with integrated AMD Radeon™ 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 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-FP530 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-FP530 is a future-ready solution for industrial automation, AI edge computing, and immersive multi-display deployments.

Linux™

ubuntu Linux

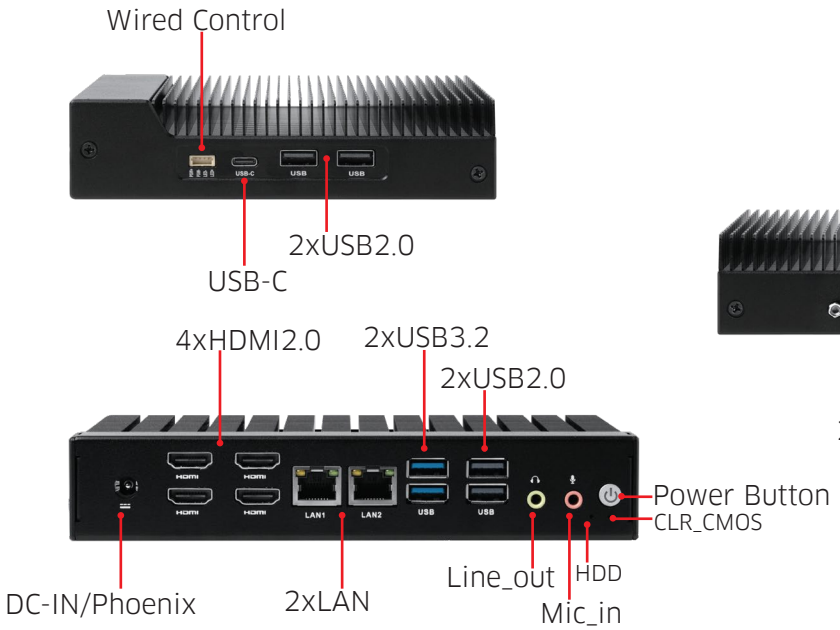
Windows

H/W Monitor

Watchdog

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

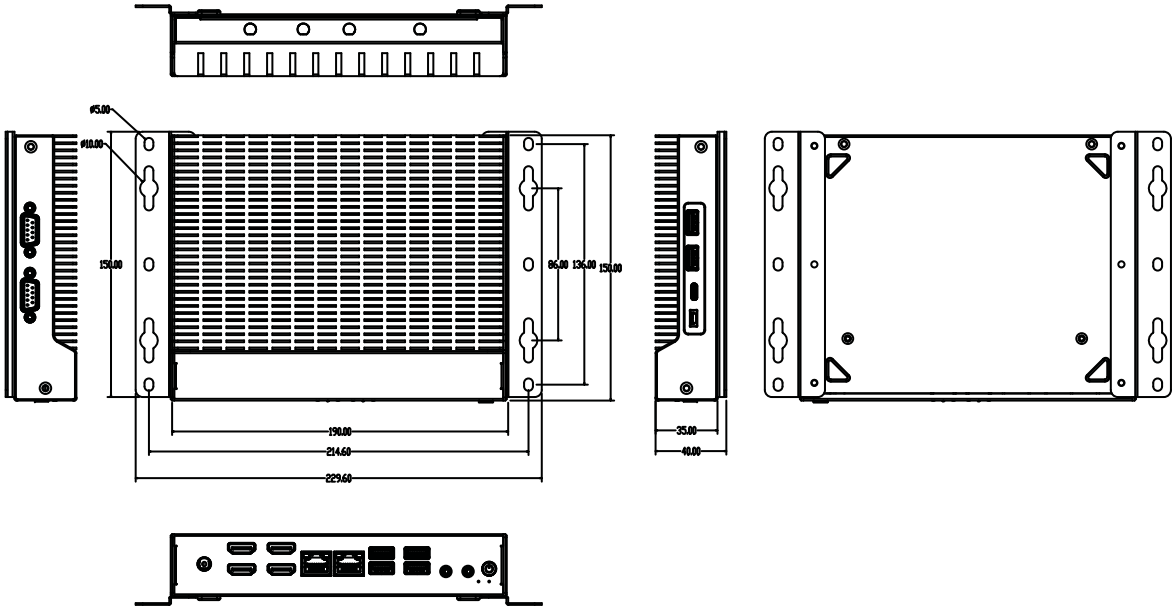


Technical Specifications

Processor	AMD Ryzen™ Embedded	R2314	R2514
	Total Cores/Threads	4C/4T	4C/8T
	Base Frequency	2.10GHz	2.10GHz
	Max Frequency	3.50GHz	3.70GHz
	Total L3 Cache	4MB	4MB
	TDP	15W	15W
	GPU	AMD Radeon™ Graphics	
	BIOS	AMI UEFI BIOS	
Memory	Type	Dual Channel SO-DIMM DDR4	
	Max. Capacity	64GB	
Display	Graphics	Integrated Graphics depends on the CPU model, see GPUs.	
	Display via	4x HDMI2.0	
	Max Resolution	Up to 4K @ 60Hz	
		HDMI Hot-Plug Lock	
Ethernet	Controller	2xRealtek 8111H	
	Max. Speed	10/100/1000Mbps	
	Interface	2x RJ45	
	Wake on LAN	Yes	
Audio	Audio Codec	Realtek ALC897 High Definition Audio Codec	
	Interface	1x Line-out, 1xMic-in	
Storage	M.2_N/S	1x M.2 Key_M Slot for 2280 NVMe/SATA SSD	
	M.2_S/W	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	4	
	USB3.2	2	
	USB-C	1xUSB-C(Supports 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	9-35V 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 (in mm)



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