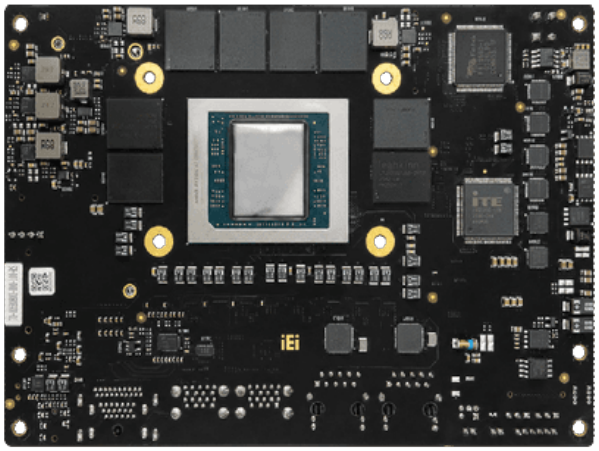
NANO-X100

A compact AI-ready EPIC SBC for embedded and AI edge application



Features

» AMD X100 series

» Onboard 64GB LPDDR5x-8533

» Dual 2.5GbE LAN

» 4 x USB 3.2, 1 x HDMI™, 1 x DP

» 3 x M.2 expansion for Wi-Fi, SSD & 5G

Specifications

Form Factor	
Form Factor	EPIC SBC
System	
CPU	Ryzen AI Embedded X100 Series (Glacier Peak)
Memory	Onboard 64GB (8G x 8) LPDDR5-8533
Cooling method / System Fan	Heatsink W/Fan
Supported OS	Windows® 11, Linux
Physical Characteristics	
Dimensions (LxWxH) (mm)	115 x 165
I/O Interface	
Display Output	1 x Display Port
	1 x HDMI™
Ethernet	2 x LAN -
	LAN1: Intel® I226V 2.5GbE
	LAN2: Intel® I226V 2.5GbE
Audio	1 x Mic
I/O Interface	1 x DIO
	4 x External USB 3.2 Gen2x2 (Type-A)
	1 x I²C (1×4 pin)
	4 x Internal RS-232 : RS-232 (2×5 pin)
	2 x Internal RS-232/422/485 : RS-232/422/485 (2×5 pin)
Expansion	3 x M.2(NGFF) -
	1 × M.2 E Key 2230(Wifi) or 2242
	1 × M.2 M Key 2242/2280
	1 × M.2 B Key 3052(5G) or 2242
Power	
Input	12-24V DC Input Jack
Environment	
Operating Temperature	-10°C ~ 60°C (Test range -10°C ~ 65°C)

Storage Temperature	-30°C ~ 70°C
Humidity	5% ~ 95% (non-condensing)
Certifications	
Safety & EMC	CE / FCC Compliant

Ordering Information

NANO-X100-R10	EPIC SBC supports AMD-X199 with 64GB LPDDR5x on board default, with HDMI, DP, M.2 E key, M.2 B key, M.2 M key, USB 3.2, COM, IAUDIO, RoHS