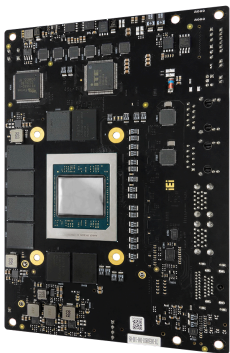


NANO-X100

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

Features

- AMD X100 series
- Onboard 64GB LPDDR5x-8533
- Dual 2.5GbE LAN
- 4x USB 3.2, 1xHDMI, 1xDP
- 3x M.2 expansion for Wi-Fi, SSD & 5G



Specifications

MODEL NAME	NANO-X100
Form factor	115mm x 165mm
SoC	Ryzen AI Embedded X100 Series (Glacier Peak)
BIOS	UEFI BIOS
Memory	Onboard 64GB (8G x 8) LPDDR5-8533
Graphics Engine	Radeon Navi3.5 Core Architecture
NPU	XDNA2 up to 50 TOPS
Display Output	1x DisplayPort, 1 x HDMI
Ethernet	LAN1: Intel® I226V 2.5GbE LAN2: Intel® I226V 2.5GbE
External I/O	4× USB 3.2(Type-A)
Internal I/O	2 × RS-232/422/485 (2×5 pin) 4 × RS-232 (2×5 pin) 1 × I ² C (1×4 pin) 1 × SMBus (1×4 pin) 1 × HW Monitor
Audio	Audio/MIC Jack;
Front Panel	Power LED & M.2 LED (1×6 pin) Power Button (1×2 pin) Reset Button (1×2 pin)
Expansion	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;
Digital I/O	1 × 12-bit Digital I/O (2×7 pin)
TPM	Build-in SW support; HW(option):TPM2.0-NPCT760AABYX
Fan Connector	1 × System Smart Fan (1×4 pin)
Power Supply	12-24V DC Input Jack
Watchdog Timer	Software programmable (1–255 sec system reset)
Operating Temp.	-10°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	5% ~ 95% (non-condensing)
Certification	CE / FCC Compliant