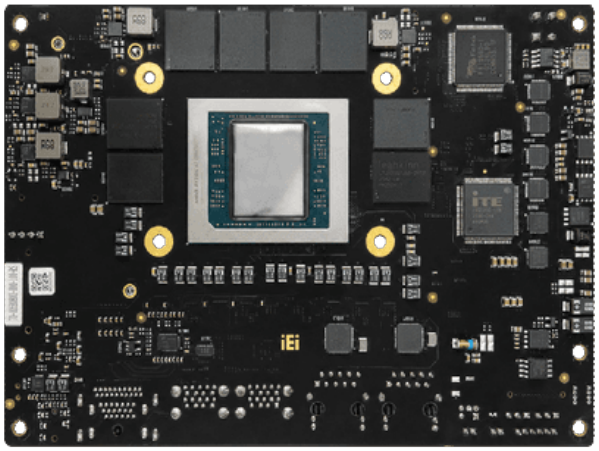
# NANO-X100

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

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|---|---|
| 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 |