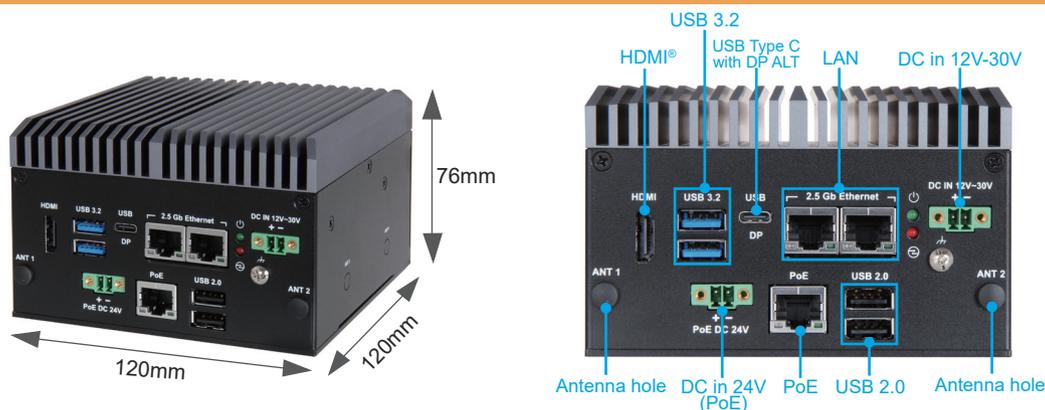


LYNX-812A

Robust, Fanless Embedded System Featuring Intel Atom® Processors x7000RE Series, 2x 2.5GbE, PoE, and Onboard Hailo-8 AI Accelerator



FEATURES

- Robust Fanless System with Intel Atom® x7000RE Processor
- Onboard Hailo-8 chip (up to 26 TOPS) for AI vision and analysis
- Single IEEE 802.3af-compliant PoE port for versatile IoT edge device connectivity.
- Onboard LPDDR5 4800MT/s up to 32GB, Onboard eMMC up to 256GB
- Wide DC Input 12V~30V and Operating Temperature from -40°C to 70°C

General

Processor	Intel® Atom® x7433RE, 4 cores, 9 W
Chipset	Intel® SoC
BIOS	AMI uEFI BIOS
Memory	2 x LPDDR5 4GB on board, support up to 32GB
Storage	1 x eMMC 128G on board, support up to 256GB
AI Accelerator	Hailo Hailo-8 (Chip on Board, COB)
Watchdog Timer	Programmable, time out period from 1 s to 255 s

System I/O

Ethernet	2 x 2.5 GbE LAN w/ Intel® WGI226IT
USB	2 x USB 3.2 Gen2 x1 (10Gbps) Type A 1 x USB 3.2 Gen2 x1 (10Gbps) Type C with DP Alt mode
Display	1 x HDMI® 1.4a 1 x DP 1.4 colay with USB3.2 Gen2x1 Type-C
LED	Power, Storage
Antenna	6 x SMA Antenna holes for Wi-Fi

Expansion I/O

Ethernet	1 x 2.5 GbE LAN w/ Intel® WGI226IT POE
Power Supply	Terminal Block 24V for PoE port
USB	2 x USB 2.0 (480Mbps) Type A
M.2	1 x E Key w/ 2230 for WiFi/BT module 1 x M Key w/ 2242 for storage
Security	TPM 2.0

Mechanical/Environment

Dimension(WxDxH)	120 x 120 x 76 mm (4.72" x 4.72" x 2.99")
Weight	1.5 kg
Power Supply	Terminal Block 12-30V
Mounting	Wall Mount, DIN Rail
Vibration	5G 10~500Hz with SSD (IEC/EN 60068-2-6)
Shock	50G 11m sec with SSD (IEC 60068-2-27)
IP Protection	IP40
Operating Temperature	-40 ~ 70 °C (-40.0 ~ 158.0 °F)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Relative Humidity	5% to 95%, non-condensing
Certification	CE/FCC/UKCA Class A, LVD (EN 62368-1)
OS	Windows 10 IoT Enterprise, Windows 11 IoT Enterprise, Linux™
Portwell Special Feature	PET

Ordering Guide

LYNX-812A	Category	System
	Product	LYNX-812A
	Description	(R). LYNX-812A. SFF Embedded system with LSMC-M1013-X7433RE, 8G LPDDR5, 128G eMMC, TPM2.0 plus PA-P2H8PLU2, 2 USB2.0 and 1 PoE port
	P/N	AS5-3784
	Status	Available
ATO-LYNX-812A	Category	System
	Product	ATO-LYNX-812A
	Description	(R). ATO. LYNX-812A. SFF Embedded system with LSMC-M1013-X7433RE, 8G LPDDR5, 128G eMMC, TPM2.0 plus PA-P2H8PLU2, 2 USB2.0 and 1 PoE port
	P/N	AS5-3785
	Status	Available

*All information provided is subject to change without notice. Last updated: February 5, 2026