

FWJ100-OX

Nvidia Jetson AI Bridge

FWJ100-OX is an AI Bridge with NVIDIA Jetson Orin NX module. NVMe (M.2 2230 x 1EA, M.2 2280 x 1EA) slots are built-in inside the body, so it can be used as a MiniNVR after installing an SSD. It is suitable as an industrial mini PC because hardware acceleration is possible with CPU+GPU structure based on UBUNTU OS. With two gigabit Ethernet ports, it is ideal for application of separated network applications, and USB 3.2 ports (Type-C x 1EA, Type-A x 2EA) are built-in to connect USB storage devices. The board provides an optimal solution for an edge device such as smart farms, smart factories, image analysis devices, AI development, video analysis, and medical devices.

Key Features

- Core Module NVIDIA Jetson Orin NX
- 1 x USB 3.2 Port (C Type)
- 2 x USB 3.2 Port (A Type)
- 1 x NVMe M.2 2230 x 1EA (Built-in Inside)
- 1 x NVMe M.2 2280 x 1EA (Built-in Inside)
- 2 x Gigabit Ethernet Ports
- 1 x Debugging Port
- 1 x Micro HDMI (D Type)
- 1 x 3.5mm 4-Pole Audio Jack
- 1 x CAN BUS Pin Header (2.54mm, 4pin/NC, Built-in Inside)
- Recovery Switch
- Factory Default Switch
- Status LED (2 x Ethernet, 1 x Power)
- 1 x DC Power Jack (DC 12V/5A)



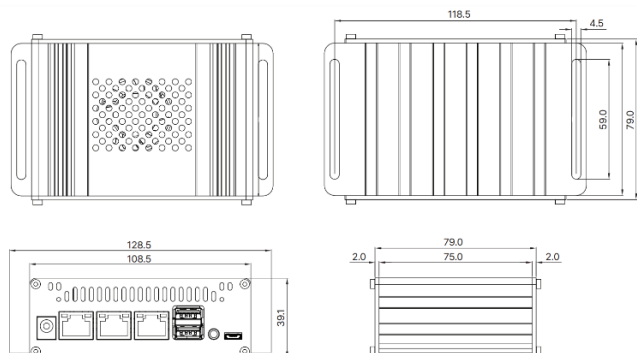
Tech Notes

* Support high-speed mass storage interface (Built-in Inside)

It supports NVMe by default, so it is ideal for data storage and utilization by mounting an SSD.

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Technical Specifications



시스템	
코어모듈	NVIDIA Jetson Orin NX
CPU	A78AE Armv8.2 (64-bit) heterogeneous multi-processing (HMP) CPU architecture
GPU	NVIDIA Ampere GPU
USB	
USB 3.2 (Gen2)	1 x C Type (Front)
USB 3.2 (Gen2)	2 x A Type (Back)
M.2	
NVMe	1 x 2230 (Built-in Inside)
NVMe	1 x 2280 (Built-in Inside)
Network	
Wired Network	2 x Gigabit Ethernet Ports (RJ45 with LED)
Debugging	1 x Debugging Port (on automation header)
Video	
Interface	1 x Micro HDMI (D Type)
Audio	
Interface	1 x 3.5mm 4-Pole Audio Jack (PJ-328C)
CAN BUS	
Pin Header	1 x 2.54mm, 4pin/NC (Built-in Inside)
H/W	
Switch	Recovery, Factory Default
Status LED	2 x Ethernet, 1 x Power
Power	DC 12V/5A 1 x DC Power Jack (DC 12V/5A)
Size	128.5(W) x 79(D) x 39.1(H) mm
Weight	Approx. 310g