

D115WOXB-1 Box PC

NVIDIA® Jetson Orin™ NX module

For Smart Retail, Smart Security and Smart City Applications



Overview

AVerMedia's AI Box PC D115WOXB-1 equips powerful NVIDIA® Jetson Orin™ NX module. This efficient system-on-module (SoM) opens new worlds of embedded IoT applications with full analytic capabilities.

D115WOXB-1 is designed for the industry applications with spatial concern and feature a rich assortment of I/O ports for rapid AI-based solution development and seamless deployment as required by demanding business applications.

AVerMedia supports businesses of all sizes and offers customizable BSP services, flexible MoQ, in addition to NVIDIA's JetPack™ SDK.

Enterprise-Leading Features

- Embedded NVIDIA® Jetson Orin™ NX
- 2 x M.2. for WIFI and SSD
- 2 x GbE RJ-45 (Optional: Ethernet 1 supports PoE ; Ethernet 2 can be used for OOB management via NC-SI)
- OOB for Power cycling and Cloud serial console (Optional)
- 1 x 5G daughter board for 4G/5G card functions (Optional)
- 1 x HDMI output
- 20-pin expansion header
- Operating temperature -25°C~60°C
- Dimension: W: 126mm x L: 96mm x H: 74mm
- Support Allxon 24/7 Edge AI device remote management with OOB disaster recovery solutions



The AVerMedia Advantage



Video Processing Technology



Flexibility & Reliability



Dedicated After-Sales Support

AVerMedia understands that each business has a unique set of requirements that requires professional expertise and support. With AVerMedia, you are guaranteed to work with a proven global leader in video processing technology (200+ video capturing & streaming patents) with decades of experience processing multiple video signals for countless award-winning products.

A global leader that supports businesses of all sizes with comprehensive customization services (i.e., HW/PCB/BSP/etc.), flexible MoQ while ensuring a high-quality design and stable product. And for projects requiring additional security, we can provide customizable encryption hardware to support your privacy needs.

By partnering with us, a dedicated NVIDIA® ELITE Partner, our support-driven team offers prompt after-sales support so that your company stays focused on what matters most, customer acquisition.

Specifications

Model	D115WOXB-1
Type	Box PC
NVIDIA Module Compatibility	NVIDIA® Jetson Orin™ NX 16G/8G module
Networking	<ul style="list-style-type: none"> 2x GbE RJ-45 Optional: Ethernet 1 supports PoE* ; Ethernet 2 can be used for OOB management via NC-SI** 1xM.2. key E 2230 for wifi
Display Output	1 x HDMI output3840 x 2160 at 60Hz for Orin NX
Temperature	Operating temperature -25°C~60°C Storage temperature -40°C ~ 85°C Relative humidity 40 °C @ 95%, Non-Condensing
MIPI Camera Inputs (Internal)	2x 4 lane MIPI CSI-2, 22-pin FPC 0.5mm Pitch Connector
USB	1x USB 2.0 type C for recovery 2x USB 3.2 Type-A
Storage	1x M.2. key M 2280 for NVMe (256G SSD installed in box PC)
Expansion Header	<ul style="list-style-type: none"> 20-pin: 2x I2C, 2x UART, 4x GPIOs, 1x CAN (EU terminal block)*** 10 pins x2: support OOB module (optional, sold separately) 5-pin & 30-pin wafer: Supports 4G/5G card functions via daughter board (optional, sold separately)
Power requirement	DC in JACK on board & ATX 4-pin 12V/5A, 9V~24V is recommended.
Power Cord	US/JP/EU/UK/TW/AU/CN
Thermal Solution	Fanless solution
Buttons	Power and Recovery
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
PCB/Electronics Mechanical Info	<ul style="list-style-type: none"> W: 126mm x L: 96mm x H: 74mm Weight: 1kg
Certifications	CE, FCC, KC
Package	1x Box PC (256G SSD installed) 1x Adapter and Power cable

* For details, please refer to the ["Accessory-PoE Board"](#) webpage.

** For details, please refer to the ["Accessory-OOB module"](#) webpage. Ethernet 2 supports NC-SI for enabling Allxon OOB and In-Band functions simultaneously.

***When equipped with the OOB module, 2x UART will be unavailable.



*All specifications are subject to change without prior notice.

Optional Accessories

MIPI Camera	For 22-pin MIPI connector: 1. Raspberry pi imx219 &imx477 (V2) 2. Manufacturer: APPRO.PHO <ul style="list-style-type: none">B-04: IMX179 (8M) MIPI, 1080P (30fps)
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Ordering Information

Model	SKU Number	NVIDIA SOM	SSD	POE function (PSE)	OOB Module	Mechanical Info and weight
D115WOXB-1	D115WOXB - 16G-003	Orin NX 16G	256G	-	NC-SI Function (via Ethernet 2)*	<ul style="list-style-type: none">W: 126mm x L: 96mm x H: 74mmWeight: 1.1kg
D115WOXB-1	D115WOXB- 16G-004	Orin NX 16G	256G	YES (via Ethernet 1)	YES (via Ethernet 2)*	<ul style="list-style-type: none">W: 126mm x L: 96mm x H: 74mmWeight: 1.2kg

*With the optional OOB module, the default configuration uses Ethernet 2 on the D115W for OOB management, rendering the OOB Ethernet on the OOB module inactive. Alternatively, we offer another option that allows users to manage via the Ethernet on the OOB module, changing the box PC configuration from 2 RJ45 ports to a total of 3 RJ45 ports, including the RJ45 on the OOB module.



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