

# eNVP-JNX-IV-V0008

## NVIDIA Jetson Xavier NX AI Mobile NVR supporting 8 PoE ports



### Features

- Fanless AI network video recorder platform
- 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 processor
- NVIDIA Volta™ architecture with 384 NVIDIA CUDA® cores
- Onboard 8 GB 128-bit LPDDR4x @ 1600 MHz 51.2GB/s
- Supports 8 PoE ports
- Supports one HDMI display output
- Supports Ethernet x 9 ports (PoE x 8, GbE x 1)
- Supports ONVIF 2.0, 2MP IP camera up to 16 channels
- Supports AI functions
- CE, FCC, E-Mark, EN50155, MIL-STD-810G

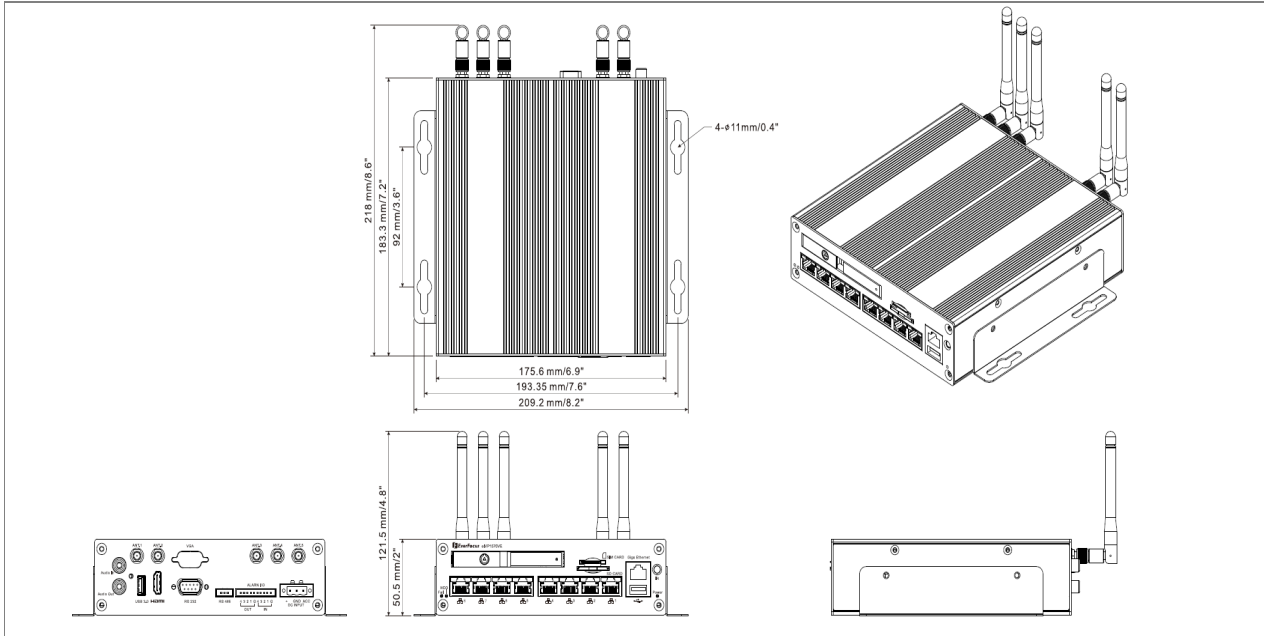
### Specifications

System	
CPU	6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 processor
GPU	NVIDIA Volta™ architecture with 384 NVIDIA CUDA® cores ( 21 TOPS [ INT8 ] )
Main Memory	Onboard 8 GB 128-bit LPDDR4x @ 1600 MHz 51.2GB/s
OS	16 GB eMMC 5.1
Video	
Format	H.264 / H.265
Video Input	IP camera x 16 EverFocus AiO NVR: up to 8ch
Video Output	HDMI 2.0 a/b x 1 (max. 3840 x 2160) VGA x 1 (optional)
Resolution	4K @ 60fps x 2   4K @ 30fps x 4   1080p @ 30fps x 16
Audio	
Audio Input	RCA x1
Audio Output	RCA x1
Recording	
Format	H.264 / H.265
Resolution	4K @ 60fps x 2   4K @ 30fps x 4   1080p @ 30fps x 16
Storage	
SATA SSD	2.5" SATA x 1 (removable)
RAID	NA
Network	
Ethernet	GbE port x1, PoE ports (10/100 MbE, total 75W): x 8
Wi-Fi / 3G / 4G	Supported (optional)
GPS/ G-Sensor	Onboard G-Sensor, GPS (optional)

Alarm	
Input / Output	Alarm Input x 4, Alarm Output x 4
Interface	
Front I/O Panel	Power button x 1 IR receiver x 1 USB 2.0 x 1 GbE port x 1; PoE port x 8 Micro USB2.0 (Internal OTG) x 1 2.5" SSD bay x 1 SIM card slot x 1 LED indicator x 2 (HDD, Fail)
Rear I/O Panel	Audio input x 1, Audio output x 1 USB 3.0 x 1, RS-232 x 1, RS485 x 1 HDMI x 1 Alarm IO (4-input, 4-output) x 1 Power input x 1 Antenna port x 5
Expansion Slot	Mini PCIe x 2 (full-size USB2.0 x 1, half-size USB2.0 x 1)
Software	
NVR Software	EverFocus AiO NVR
General	
Power Supply	DC 9-36V (with ignition pin)
Dimensions (W x D x H)	175.6 x 183.3 x 50.5mm / 6.9" x 7.2" x 2" (without bracket)
Gross Weight	1.8kg / 4lb
Operating Temp.	-4°F ~149°F (-20°C ~+65°C)
Storage Temp.	-4°F ~185°F (-20°C ~+85°C)
Storage Humidity	95% @ 40 °C (non-condensing)
Vibration/Shock	MIL-STD-810G
Certification	CE, FCC, E-Mark, EN50155, MIL-STD-810G

## Dimension

Unit: mm / inch



## Ordering Information

Part Number	Packing List
<b>2ENXR18DAP0001R</b> eNVP-JNX-IV, Jetson NX, 8PoE, DC 9~36V	<ul style="list-style-type: none"> <li>NVR x 1</li> <li>Power harness cable x 1</li> <li>SSD lock key x 2</li> <li>Bracket screw kit x 1 (with 4 screws and 8 spacers)</li> </ul>

## Optional Accessories

Part Number / Item	
5SSWD1TSA00002R	WD 2.5" Blue SATA SSD 1TB
3EIVP15ITH0002R	Adaptor 19V_4.74A+terminal_block_3p_5mm
21PLS8EUA00001R	4G module; Gemalto 4G-EU with Packing
3EMV161FST0004R	GPS module package
21SPL273A00001R	AC Wifi module package (EMV1200/800/400 WiFi AC 5G WiFi module)

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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