

eNVP-JNX-IV-V0008

Compact Rugged Edge AI Network
Video Recorder Platform with
NVIDIA® Jetson Xavier™ NX



Features

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

Specifications

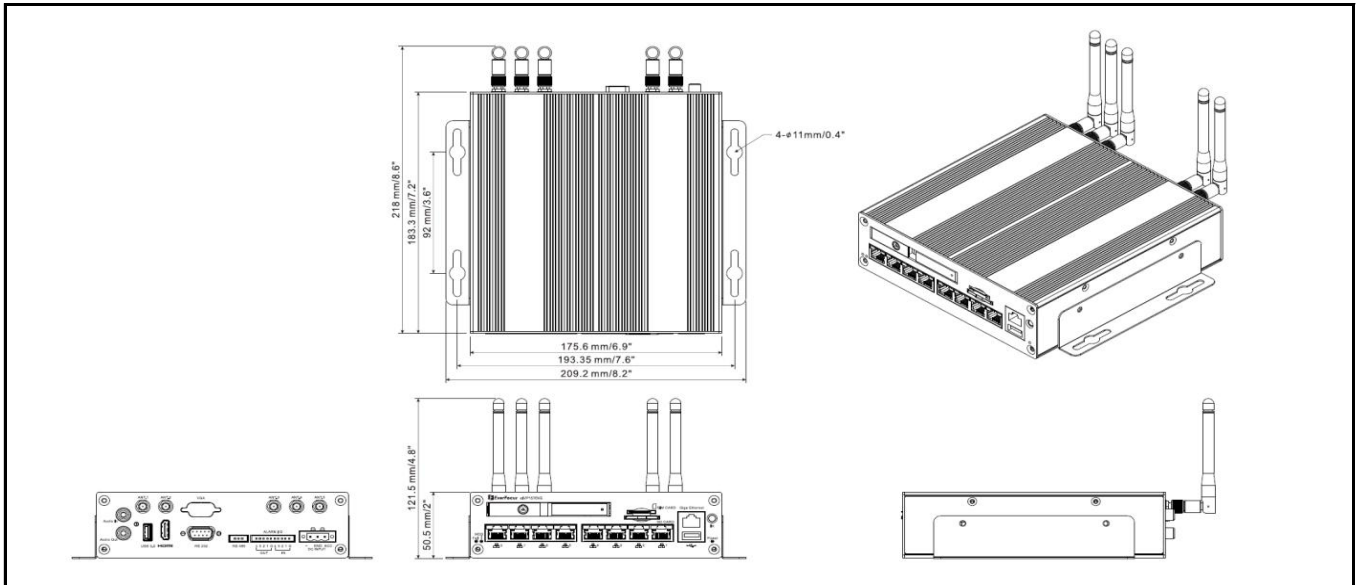
System	
CPU	6-core NVIDIA Carmel ARM® v8.2 64-bit CPU 6 MB L2 + 4 MB L3 processor
GPU	NVIDIA Volta™ architecture with 384 NVIDIA CUDA® cores (21 TOPS [INT8])
Main Memory	Onboard 8 GB 128-bit LPDDR4x @1600 MHz 51.2 GB/s
OS	16 GB eMMC 5.1
Video	
Format	H.265/H.264
Video Input	16 x IP camera EverFocus AiO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

Alarm	
Input/Output	4 x Alarm Input, 4 x Alarm Output
Interface	
Front I/O Panel	1 x Power button 1 x IR receiver 1 x USB 2.0 1 x GbE port, 8 x PoE port 1 x Micro USB 2.0 (Internet OTG) 1 x 2.5" SSD bay 1 x SIM card slot 2 x LED indicator (HDD, Fail)
Rear I/O Panel	1 x Audio in, 1 x Audio out 1 x USB 3.0, 1 x RS-232, 1 x RS-485 1 x HDMI 1 x Alarm IO (4-input, 4-output) 1 x Power input 5 x Antenna port
Expansion Slot	2 x mPCIe (1 x full-size USB 2.0, 1 x half- size USB 2.0)
Software	
NVR Software	EverFocus AiO NVR
General	
Power Supply	9 ~ 36 VDC (with ignition pin)
Dimensions	175.6 x 183.3 x 50.5 mm (6.9" x 7.2" x 2") (without bracket)
Gross Weight	1.8 kg/4 lb
Operating Temperature	-20 ~ 65 °C (-4 ~ 149 °F)
Storage Temperature	-20 ~ 85 °C (-4 ~ 185 °F)
Storage Humidity	95% @40 °C, non-condensing

Wi-Fi/3G/4G	Supported (optional)	Vibration/Shock	MIL-STD-810G
GPS/G-Sensor	Onboard G-Sensor, GPS (optional)	Certification	CE, FCC, E-Mark, EN50155

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x NVR
- 1 x Power harness cable
- 2 x SSD lock key
- 1 x Bracket screw kit (with 4 screws and 8 spacers)

Part Number

2ENXR18DAP0001R eNVP-JNX-IV, Jetson NX, 8 x PoE, 9 ~ 36 VDC

Optional Accessories

Part Number / Item

5SSWD1TSA00002R	WD 2.5" Blue SATA SSD 1 TB
3EIVP15ITH0002R	Adaptor 19 V 4.74 A + terminal block 3p 5mm
21PLS8EUA00001R	4G module, Gemalto 4G-EU with Packing
3EMV161FST0004R	GPS module package
21SPL273A00001R	AC Wi-Fi module package (EMV 1200/800/400 Wi-Fi AC 5G WiFi module)