

# EC100-XNX

NVIDIA® Jetson Xavier™ NX  
Vision Embedded System



## KEY FEATURES



### Embedded Vision Solutions

Fully support NVIDIA® Jetson Xavier™ NX



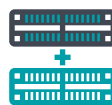
### PoE (PSE)

8 x 10/100 MbE with PoE



### Fanless Design

Fanless chassis technology



### GPIO Expansion

20-pins with 1 x UART, 2 x I2C, 9 x GPIOs

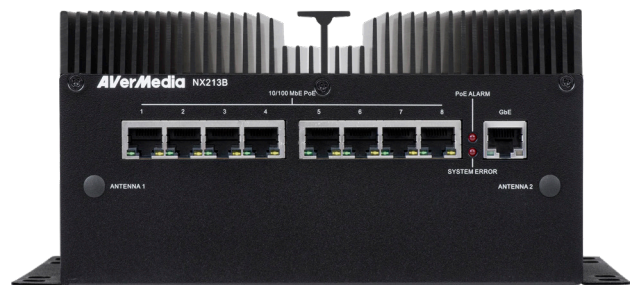


### 4K Display

1 x HDMI 2.0a/b Type-A supports 4K@60Hz



Front View



Rear View

## SPECIFICATION

<b>System</b>	<b>Computing Platform</b>	NVIDIA® Jetson Xavier™ NX module	
<b>STORAGE</b>	<b>External</b>	16 GB e.MMC v5.1	
<b>EXPANSION</b>	<b>Interface</b>	1 x 3.3V UART 2 x I2C 9 x GPIOs	
<b>ETHERNET</b>	<b>Interface</b>	1 x GbE RJ-45 8 x 10/100 MbE RJ-45 with PoE	
<b>LED</b>	<b>Indicators</b>	1 x Power LED 1 x Recovery LED	RGB tri-color LED
<b>I/O</b>	<b>Ethernet</b>	1 x GbE RJ-45	
	<b>Display</b>	1 x HDMI 2.0a/b Type-A	HDMI: resolution up to 3840 x 2160 @ 60Hz
	<b>USB</b>	1 x USB 2.0 Micro-B for recovery 2 x USB 3.0 Type-A (USB 3.2 Gen1 x 1) 1 x mPCIe (Host Interface: USB 2.0)	
	<b>Buttons</b>	1 x Power button 1 x Recovery button	
	<b>PoE</b>	8 x 10/100 MbE RJ-45 with PoE (Max for the first 4 ports is 15.4W and total power budget is 100W)	
	<b>WATCHDOG TIMER</b>	System Reset, Programmable via Software from 1 to 255 Seconds	
<b>POWER</b>	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds	
	<b>Type</b>	54V / 2.78A	
<b>ENVIRONMENT</b>	<b>RTC Battery</b>	Support RTC battery and Battery Life Monitoring by MCU	
	<b>Operating Temperature</b>	0°C ~ 60°C	
	<b>Storage Temperature</b>	-40°C ~ 85°C	
<b>MECHANICAL</b>	<b>Relative Humidity</b>	Relative Humidity 40 °C @ 95%, Non-Condensing	
	<b>Dimensions (W x H x D)</b>	190mm(W) x 80mm(H) x 175mm(D) (W:220 mm with mounting ears)	
	<b>Weight</b>	2.75 Kg	
<b>STANDARDS AND CERTIFICATIONS</b>	<b>Certification</b>	CE, FCC	