

# EC100-XNX

NVIDIA® Jetson Xavier™ NX  
Vision Embedded System



## KEY FEATURES



### Embedded Vision Solutions

Fully support NVIDIA® Jetson Xavier™ NX



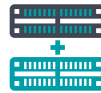
### PoE (PSE)

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

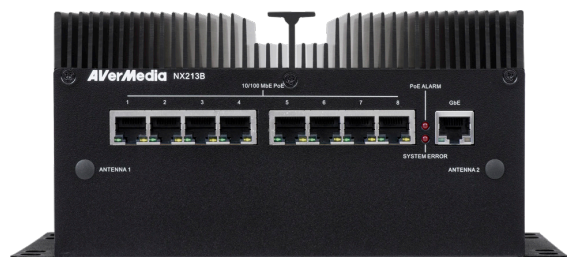


### 4K Display

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<br>2 x I2C<br>9 x GPIOs  |   |
| <b>ETHERNET</b>                     | <b>Interface</b>              | 1 x GbE RJ-45<br>8 x 10/100 MbE RJ-45 with PoE   |   |
| <b>LED</b>                          | <b>Indicators</b>             | 1 x Power LED<br>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<br>2 x USB 3.0 Type-A (USB 3.2 Gen1 x 1)<br>1 x mPCIe (Host Interface: USB 2.0) |   |
|                                     | <b>Buttons</b>                | 1 x Power button<br>1 x Recovery button  |   |
|                                     | <b>PoE</b>                    | 8 x 10/100 MbE RJ-45 with PoE<br>(Max for the first 4 ports is 15.4W and total power budget is 100W)             |   |
| <b>WATCHDOG TIMER</b>               | <b>Output &amp; Interval</b>  | System Reset, Programmable via Software from 1 to 255 Seconds  |   |
| <b>POWER</b>                        | <b>Type</b>                   | 54V / 2.78A  |   |
|                                     | <b>RTC Battery</b>            | Support RTC battery and Battery Life Monitoring by MCU   |   |
| <b>ENVIRONMENT</b>                  | <b>Operating Temperature</b>  | 0°C ~ 60°C   |   |
|                                     | <b>Storage Temperature</b>    | -40°C ~ 85°C   |   |
|                                     | <b>Relative Humidity</b>      | Relative Humidity 40 °C @ 95%, Non-Condensing  |   |
| <b>MECHANICAL</b>                   | <b>Dimensions (W x H x D)</b> | 190mm(W) x 80mm(H) x 175mm(D)<br>(W:220 mm with mounting ears)   |   |
|                                     | <b>Weight</b>                 | 2.75 Kg  |   |
| <b>STANDARDS AND CERTIFICATIONS</b> | <b>Certification</b>          | CE, FCC  |   |

## Assured Systems

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