

EC100-XNX

NVIDIA® Jetson Xavier™ NX
Vision Embedded System



KEY FEATURES



Embedded Vision Solutions

Fully support NVIDIA® Jetson Xavier™ NX



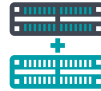
PoE (PSE)

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

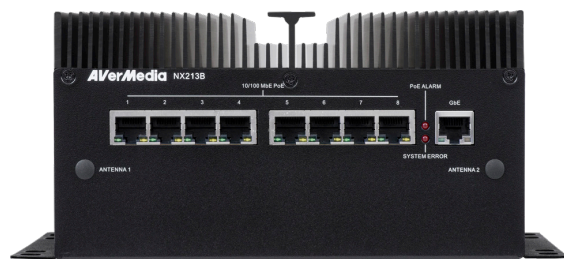


4K Display

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



Front View



Rear View

SPECIFICATION

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

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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660