

# DLAP-211

## NVIDIA® Jetson Xavier™ NX / Nano™ Edge Inference Platform

### Features

- Deep learning acceleration with NVIDIA® Jetson Xavier™ NX/Nano™
- Compact fanless system
  - DLAP-211-JNX/Nano: 148(W)x105(D)x52(H)mm
  - DLAP-211-JNXS/JNXO/NanoS/NanoO: 148(W)x105(D)x64(H)mm
- Wide temperature range from -20°C to 70°C

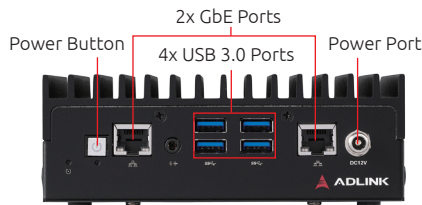
Preliminary



### Ordering Information

- **DLAP-211-JNX**  
Powered by NVIDIA® Jetson Xavier™ NX
- **DLAP-211-JNXS**  
Powered by NVIDIA® Jetson Xavier™ NX, 2x I<sup>2</sup>C, 2x SPI, 1x UART, 8x GPIO
- **DLAP-211-JNXO**  
Powered by NVIDIA® Jetson Xavier™ NX, 2x I<sup>2</sup>C, 2x SPI, 1x UART, 8x GPIO, 4x V-by-One
- **DLAP-211-Nano**  
Powered by NVIDIA® Jetson Nano™
- **DLAP-211-NanoS**  
Powered by NVIDIA® Jetson Nano™, 2x I<sup>2</sup>C, 2x SPI, 1x UART, 8x GPIO
- **DLAP-211-NanoO**  
Powered by NVIDIA® Jetson Nano™, 2x I<sup>2</sup>C, 2x SPI, 1x UART, 8x GPIO, 4x V-by-One

DLAP-211-JNX/Nano

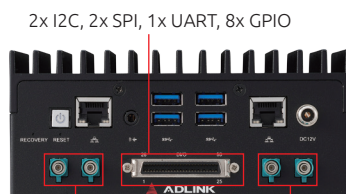


DLAP-211-JNXS/NanoS



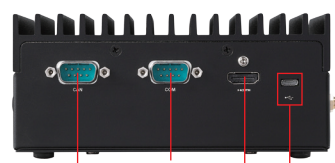
2x I<sup>2</sup>C, 2x SPI, 1x UART, 8x GPIO

DLAP-211-JNXO/NanoO



2x 4k30fps, 2x 1080p60fps

DLAP-211-JNX/Nano (backside)



CAN Port  
COM Port  
micro USB  
HDMI Port  
(Only for DLAP-JNX/JNXS/JNXO)

# DLAP-211

## Specifications

Model	DLAP-211-JNX	DLAP-211-JNXS	DLAP-211-JNXO	DLAP-211-Nano	DLAP-211-NanoS	DLAP-211-NanoO
<b>System Core</b>						
Processor	Jetson Xavier NX			Jetson Nano		
Memory	8GB			4GB		
eMMC	16GB					
<b>Graphic Output</b>						
Graphic Output	1 HDMI 2.0 (w. lock)					
<b>Front Panel I/O Interface</b>						
Ethernet	2x GbE					
USB 3.0	4x Type A					
Audio	Mic-in, line-out					
Expansion I/O	2x I <sup>2</sup> C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x DSUB 37pin connector	2x I <sup>2</sup> C, 2x SPI, 1x UART, 8x GPIO		2x I <sup>2</sup> C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x DSUB 37pin connector	2x I <sup>2</sup> C, 2x SPI, 1x UART, 8x GPIO	
V-by-One		4, (Max 2x 4k30fps, 2x 1080p60fps)			4, (Max 2x 4k30fps, 2x 1080p60fps)	
<b>Rear Panel I/O Interface</b>						
USB 2.0	1x OTG					
Serial Port	1x COM RS-232/RS-422/RS-485					
CAN Bus	1 CAN BUS (2.0b)			N/A		
<b>Internal I/O Interface</b>						
Mini PCIe	1x PCIe Mini Card Slot					
M.2	M2 B key 2242 socket					
USIM	1x USIM Slot					
Debug Port	1x debug console					
<b>Storage Device</b>						
SATA Extention	M2 B key support SATA/NVMeEx2					
SD Card	1x SD					
<b>Power Requirements</b>						
DC Input	12V					
AC Input	60W AC-DC adapter 84WAC/DC adapter (optional)					
Fail Reset	Reset/recovery button					
Power LED Indicator	Power button					
<b>Mechanical</b>						
Antenna Hole	4 x SMA					
Dimensions (mm)	148(W)x120(D) x52(H)	148(W)x120(D)x64(H)	148(W)x120(D) x64(H)	148(W)x120(D)x52(H)		
Weight	TBD					
Mounting	Wall mount & VESA Din rail(optional)					
<b>Environmental</b>						
Operating Temperature	Standard -20°C~70°C (system level) -20°C~85°C (board level)					
Operating Humidity	~95% @40°C (non-condensing)					
Storage Temperature	-40°C~85°C					
Vibration	Operating 5Grms, 5-500 Hz, 3 axes w/ mSATA					
Shock	Operating 100G, half sine 11 ms duration w/ SD, MSATA					
ESD	Contact ± 4KV, Air ± 8KV					
Certifications	CE & FCC class B, (EN61000-6-4/-6-2)					
Safety	CE-LVD & UL by CB					
RF Regulations	FCCID					
<b>F/W Support</b>						
WDT	WDT supported					
<b>Operating System Support</b>						
Linux	Tegra Linux 18.04					