

DLAP-211

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

Features

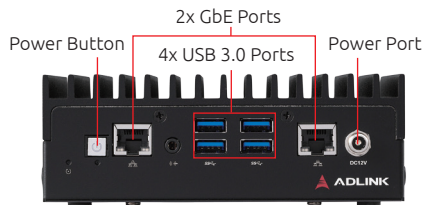
- Deep learning acceleration with NVIDIA® Jetson Xavier™ NX/Nano™
- Compact fanless system
 - DLAP-211-JNX/Nano: 148(W)x105(D)x52(H)mm
 - DLAP-211-JNXS/JNXO/NanoS/NanoO: 148(W)x105(D)x64(H)mm
- Wide temperature range from -20°C to 70°C



Ordering Information

- **DLAP-211-JNX**
Powered by NVIDIA® Jetson Xavier™ NX
- **DLAP-211-JNXS**
Powered by NVIDIA® Jetson Xavier™ NX, 2x I²C, 2x SPI, 1x UART, 8x GPIO
- **DLAP-211-JNXO**
Powered by NVIDIA® Jetson Xavier™ NX, 2x I²C, 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 I²C, 2x SPI, 1x UART, 8x GPIO
- **DLAP-211-NanoO**
Powered by NVIDIA® Jetson Nano™, 2x I²C, 2x SPI, 1x UART, 8x GPIO, 4x V-by-One

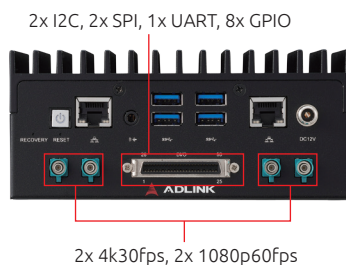
DLAP-211-JNX/Nano



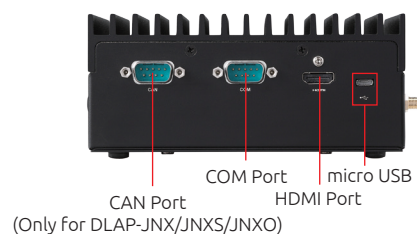
DLAP-211-JNXS/NanoS



DLAP-211-JNXO/NanoO



DLAP-211-JNX/Nano (backside)



DLAP-211

Specifications

Model	DLAP-211-JNX	DLAP-211-JNXS	DLAP-211-JNXO	DLAP-211-Nano	DLAP-211-NanoS	DLAP-211-NanoO
System Core						
Processor	Jetson Xavier NX			Jetson Nano		
Memory	8GB			4GB		
eMMC	16GB					
Graphic Output						
Graphic Output	1 HDMI 2.0 (w. lock)					
Front Panel I/O Interface						
Ethernet	2x GbE					
USB 3.0	4x Type A					
Audio	Mic-in, line-out					
Expansion I/O	2x I ² C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x DSUB 37pin connector	2x I ² C, 2x SPI, 1x UART, 8x GPIO		2x I ² C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x DSUB 37pin connector	2x I ² C, 2x SPI, 1x UART, 8x GPIO	
V-by-One		4, (Max 2x 4k30fps, 2x 1080p60fps)			4, (Max 2x 4k30fps, 2x 1080p60fps)	
Rear Panel I/O Interface						
USB 2.0	1x OTG					
Serial Port	1x COM RS-232/RS-422/RS-485					
CAN Bus	1 CAN BUS (2.0b)			N/A		
Internal I/O Interface						
Mini PCIe	1x PCIe Mini Card Slot					
M.2	M2 B key 2242 socket					
USIM	1x USIM Slot					
Debug Port	1x debug console					
Storage Device						
SATA Extention	M2 B key support SATA/NVMeEx2					
SD Card	1x SD					
Power Requirements						
DC Input	12V					
AC Input	60W AC-DC adapter 84WAC/DC adapter (optional)					
Fail Reset	Reset/recovery button					
Power LED Indicator	Power button					
Mechanical						
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)					
Environmental						
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					
F/W Support						
WDT	WDT supported					
Operating System Support						
Linux	Tegra Linux 18.04					