

Overview

This compact carrier board has been developed for cost sensitive embedded headless applications. Cost has been reduced by eliminating interfaces like monitor output USB Type A connectors.
The target market is security and surveillance applications.

JNX84-LC (Low Cost):

The lowest cost version focuses on cost saving and is reduced to the max as it only features a power input and Ethernet output.

JNX84:

This is the standard version, balancing features and cost intended as a good middle ground.

JNX84-AI (All In):

The AI version is the fully populated version and features the most connectors and functions.

GPIO inputs and outputs support the interfacing to alarm systems.

Features

- ▲ GPIO inputs and outputs support the interfacing to alarm systems

Technical Specifications

Carrier	JNX84-LC	JNX84	JNX84-AI
Power	USB-C	USB-C	USB-C Barrel Jack 12V
Flashing via USB-C	USB-C to USB type A cable required (FR pins must be manually shorted)		
Recommended modules	Jetson Nano	Jetson Nano Jetson NX Jetson TX2-NX Jetson Xavier-NX	Jetson Nano Jetson NX Jetson TX2-NX Jetson Xavier-NX
GbE (RJ45)	1x	1x	1x
GPIO output	-	-	3x mechanical relay (30V, 3A)
GPIO input	-	-	3x 0V/3.3-5.0V
USB2	-	1x	1x
CSI	-	-	2x (AB, CD) 2x (F, E)
M.2 PCIe4	-	1x	1x
PCIe2 expansion connector	-	-	1x
Micro-SD card slot	-	-	1x
MCU	-	yes	yes
CAN	-	yes	Yes
UART	-	Yes	yes
LEDs	Power & network activity		
Size	62.5 x 125mm		



JNX84-LC Version

Enclosure

Auvideo can also provide custom made enclosures. Please see our website or contact our sales department for further information.

Mass deployment

The JNX84 features an industrial strength design and is commercially deployable in any volume.

Carrier boards

SKU	Part
70865-ULC	JNX84-ULC
70865-LC	JNX84-LC
70865-AI	JNX84-AI

Each carrier board includes

- ▲ JNX84 Carrier board (in selected version)

Resources

Description	Link
3D Model	https://auvideo.eu/step/
Auvideo BSP package	https://auvideo.eu/firmware/



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