

# Carrier Board

# JNX84



## 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	<a href="https://auvideo.eu/step/">https://auvideo.eu/step/</a>
Auvideo BSP package	<a href="https://auvideo.eu/firmware/">https://auvideo.eu/firmware/</a>



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