

X410 carrier board for Jetson AGX Orin



Overview

The X410-AI and X410-LC are specially designed for system integrators, offering enhanced flexibility with their low-profile connectors and a variety of adapter options.

These features allow you to easily position the ports exactly where you need them within your enclosure or system.

The X410-AI comes equipped with the following:

- 2x CSI interface
- Micro SD slot
- CAM LED
- Battery holder
- GbE via 12-pin FPC
- 2x UART interface (3.3V)

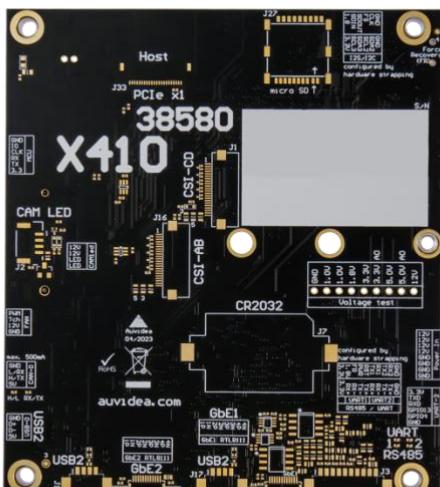
In contrast, the standout feature of the X410-LC is its flat underside, free of components. This design ensures a safe integration process, minimizing the risk of short circuits or interference with your enclosure.

Features

- Production volume is easily scalable as only readily available components are used
- Crypto chip to protect your software investment
- Designed and manufactured in Germany



X410-AI bottom side



X410-LC (flat bottom side with no components)

Technical specifications

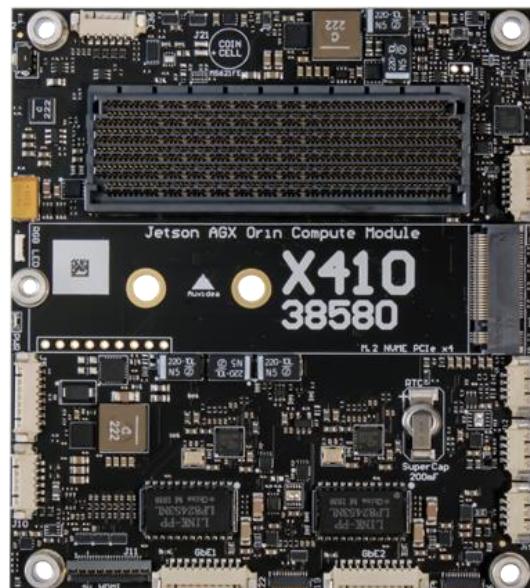
Feature	X410-LC	X410-AI
Compatible modules		Jetson AGX Orin
M.2 NVME Key M		PCIe x4
MIPI CSI-2	-/-	2x CSI (4-lane)
HDMI		22pin FPC
SD card	-/-	✓
USB 3.0/3.1	2x USB 3.0/3.1 12pin FPC (native – full performance)	
USB 2.0		4pin PicoBlade (flashing and host)
Fan connector		4pin PicoBlade (12V; PWM/TACH)
CAN0	✓	✓
I2S/I2C	✓	✓
UART 3		Console UART (3.3V)
UARTs	-/-	2x UART
		2x RS485 (optional)
MCU	✓	✓
Auto flashing		✓
Ethernet		2x GbE (RTL 8111)
PoE option		(only with add-on)
Crypto chip		for software copy protection and licensing
Battery holder	-/-	RTC lithium battery (CR2032)
CAM LED	-/-	✓
Force recovery	✓	✓
FR button	✓	✓
Power in		8pin PicoBlade (12V)
Size		90mm x 100mm
Model number		38580

Variant

SKU	part
70426-LC	X410-LC carrier board
70426-AI	X410-AI carrier board

Adapters for X410

SKU	Cable adapter
38497	Amphenol IP67 HDMI adapter
38498	Amphenol IP67 dual USB 3.0 adapter
38499	Amphenol IP67 RJ45 adapter (Ethernet)
38501	Amphenol IP67 USB 3.0 adapter
38502	Amphenol IP67 USB 2.0 adapter
38503	Amphenol IP67 micro USB 2.0 adapter
70215	U100 USB 2.0 to 2x M.2 adapter



X410 top side



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