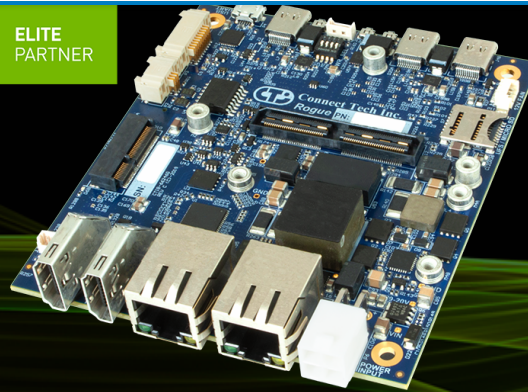


**ELITE
PARTNER**

Custom NVIDIA® Jetson™ Solutions

With tons of Jetson Carrier board designs under our belt, we are the ideal partner for your custom design requirements!

Supporting the full line of Jetson modules, including the NVIDIA Jetson Nano, TX2, Xavier NX and AGX Xavier.

From minor modifications to full custom design, Connect Tech's team of Jetson experts will work closely with your team to develop a custom solution that precisely meets your specifications, while ensuring product performance and reliability. Our engineering design services team is skilled at delivering custom products that ensure both time to market and price targets are met.

NVIDIA® Jetson™ Custom Design Request

Name*:

Company*:

Job Title*:

Market/Industry*:

☒ Embedded ☐ Commercial/Industrial ☐ Defense ☒ Autonomous Vehicles ☒ Robotics ☐ Education ☐ Healthcare ☒ Vision
☐ Other

Phone*:

Email*:

Address*:

City:

State/Province:

Country*:

[Terms](#)



What NVIDIA Jetson Module will be used?

NVIDIA® Jetson™ Xavier NX™

What size/form factor does the baseboard/carrier need to be?

NVIDIA Jetson™ Nano/Xavier-NX (45mm x 70mm)

How many USB 2.0 Ports are needed?

1

How many USB 3.1 Ports are needed?

2

How many GbE Ports Needed?

1

How many 10 GbE Ports Needed?

None

PoE Needed?

No

What Video Interfaces are needed?

☐ Other ☐ VGA ☐ DVI ☐ DisplayPort ☐ HDMI ☐ LVDS ☐ Video Input ☒ Camera Link ☐ Composite ☐ S-Video ☐ YPbPr
☐ SDI ☐ HD-SDI ☐ 3G-SDI ☐ MIPI

What Storage Solutions are needed?

☐ Other ☐ SATA (X no connectors) ☐ IDE (X no connectors) ☐ On-board soldered SSD ☒ mSATA SSD slot ☒ SD Card

What Expansion Buses are needed?

☐ Other ☐ PCI Express (X lanes, slot) ☐ PCI (X slots) ☐ PC/104 ☐ PC/104-Plus ☐ PCI-104 ☐ PCI/104 Express ☐ PCIe/104
☐ miniPCI ☐ miniPCIe ☐ ExpressCard ☐ LPC Bus ☐ SUMIT ☐ SPI ☒ I2C ☐ SMBus ☐ ISA ☐ PC Card

What I/O Peripherals needed?

☐ Other ☒ RS-232 (X no ports) ☐ RS-422/485 (X no ports) ☒ Digital I/O (X bits) ☐ ADC inputs (X channels) ☐ DAC outputs (X channels)

What are you Input Power Requirements?

+12V

Do you have a Connector Type preference?

Pin Headers

What Custom Logic/Controller is needed?

None

What are your Isolation Requirements?

None

What Operating Temperature Range is needed?

0°C to 70°C

Standards and Compliance Testing needed?

☐ Please Select ☐ CE ☐ FCC ☐ HALT ☐ IPxx ☐ ITAR ☐ MIL-STD-x ☐ MSHA ☐ RoHS ☐ UL ☐ Other

IPC Inspection Class? ☒ Class 2 ☐ Class 3Is any Special Thermal Solution needed? ☐ Yes ☒ NoIs an enclosure/box needed? ☐ Yes ☒ No**Other Details:**

We are building a deep sea microscope that does image processing and automated plankton identification. The microscope will be attached to an autonomous underwater vehicle. Due to the 2000m depth requirement, we are trying to minimize the internal diameter of the pressure housing. What we seek is the minimal width carrier board with 2 USB3.1 interfaces. We are initially using USB3.1. I checked the camera link box as a possible 'future' option. If this adds high cost or board width please remove that request.

Thanks,

Thom

best is to use tm@mbari.org for contact. If you wish to discuss use

[SEND REQUEST](#)

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this time.

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