Connect Tech Inc.
Embedded Computing Experts

Jetson Product Guide

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NOTE: Specifications found in this guide are subject to change without notice.
NVIDIA® Jetson Nano™ & Xavier™ NX Solutions

The NVIDIA Jetson Nano and Xavier NX share the same pinout and footprint but the compute power is significantly different between the two. Both Nano and Xavier NX are ideal AI platforms for autonomous machines. For full comparison details see page 6.

Print Your Own Enclosures

In support of the NVIDIA® Jetson Nano™ community, one filled with makers, learners, developers and students, Connect Tech is offering free public download of a 3D printable enclosure, Nano-Pac, which can be 3D printed as a Jetson Nano Development Kit enclosure.

Nano-Pac

A specially designed carrier for AI enabled smart camera applications. Tailored from the ground up to work in a camera housing utilizing a PoE PD Gigabit Ethernet uplink for data and power. The Photon Camera Platform supports both the Jetson Nano and the Xavier NX modules.

Features
- PoE PD capable, power via separate input or over ethernet. (IEEE 802.3af-2003 and IEEE 802.3at-2009 compatible)
- 1 x GbE, 1x NVMe (M.2 M-Key), 1 microSD, 4x GPIO, 12C, USB Console/UART, US OTG for programming
- DC barrel power input also available
- Dimensions: 145mm x 64.5mm (5.7” x 2.53”)
GMSL2 Camera Platform

The GMSL platform is ideal for those needing a more robust MIPI solution; this platform will allow longer length cabling as well as a direct path to the Xavier ISPs. Traditionally found in the automotive space the GMSL2 Camera Board will bring this robust solution to a broader audience.

Features

- GMSL1 or GMSL2 protocols
- Ideal for those needing a more robust MIPI solution
- Allows longer length cabling as well as a direct path to the Xavier ISPs
- 4x mini coax connectors
- Input voltage protection, and software power cycle

The Jetson AGX Xavier GMSL Camera Platform supports up to 8x GMSL2/1 camera inputs. Designed to mate to the Rogue carrier (PN: JCB002) this camera platform is also compatible with the NVIDIA® Jetson AGX Xavier™ Development Kit (PN: JCB004).

4x Basler MIPI Camera Board

The 4x Basler MIPI camera board is an expansion board that allows up to 4 Basler Dart cameras to be connected to the Jetson Xavier module. It was designed for the Rogue carrier but is also compatible with the NVIDIA® Jetson AGX Xavier™ Development kit.

Features

- 4x Basler BCON MIPI Connectors
- Onboard power regulation
- Compact size
- 2x GPI and 2x GPO per camera
- Operating Temperature: -40°C to +85°C
- Dimensions: 75mm x 40.2mm (2.95” x 1.58”)

The Mimic Adapter allows the NVIDIA® Jetson™ AGX Xavier™ module to be installed onto an NVIDIA Jetson TX2/ TX2i/TX1 carrier. The Mimic Adapter is ideal for NVIDIA Jetson users who want to easily compare performance between their existing TX2/ TX2i/TX1 designs to the new AGX Xavier.

Features

- Install NVIDIA® Jetson™ AGX Xavier™ on any NVIDIA® Jetson™ TX2/TX2i/TX1 Carrier Board
- Easily compare performance between Jetson TX2 and Jetson AGX Xavier on your current hardware platform
- Wide range of Jetson AGX Xavier interfaces passed to Jetson TX2/TX2i/TX1 carrier
- Dimensions: 92mm x 105mm (3.62” x 4.13”)

Features

- Install NVIDIA® Jetson™ AGX Xavier™ on any NVIDIA® Jetson™ TX2/TX2i/TX1 Carrier Board
- Easily compare performance between Jetson TX2 and Jetson AGX Xavier on your current hardware platform
- Wide range of Jetson AGX Xavier interfaces passed to Jetson TX2/TX2i/TX1 carrier
- Dimensions: 92mm x 105mm (3.62” x 4.13”)
The NVIDIA® Jetson™ AGX Xavier™ has an impressive 512-core Volta GPU and 64 Tensor cores with discreet dual Deep Learning Accelerator (DLA) NVDLA engines. Connect Tech is proud to feature an exciting family of products offering rugged small form factor solutions for the Xavier platform as well as Custom Design Services.

**Sentry-X Rugged Embedded System**
- Built for the NVIDIA® Jetson AGX Xavier™
- Features: 2x GbE, 3x USB 3.1, 2x HDMI, 2x CAN 2.0b, 2x RS-232/422/485, 1x UART 3.3V TTL, and 8x GPIO
- Designed to MIL-STD-810G and DO-160G

**Features**
- Unique docking stations – allow for quick release of Sentry-X compute module
- Wide I/O assortment including: 2x GbE, 3x USB 3.1, 2x HDMI, 2x CAN 2.0b, 4x GPIO, 4x GPO, 2x RS-232/422/485
- Ideal for Aerospace and Defense applications
- Designed to MIL-STD-810G, DO-160G for shock & vibration, ingress protection of IP67

**Sentry-X**
- Unique 2-piece design comprises of a Compute Module that includes the Xavier module and quick release docking sled.
- The Fischer MiniMax Circular Connectors are IP-67 rated and allow access to a wide assortment of IO.

**Rogue Carrier**
- Full featured Carrier Board for the NVIDIA® Jetson™ AGX Xavier™ module.
- Features: 6x 2-lane or 4x 4-lane MIPI CSI Camera Inputs
- 1x NVMe M.2 Key M Slots, 3x USB 3.1, 2x GbE
- Wide input power range 9-19V DC
- Dimensions: 105mm x 105mm (4.13” x 4.13”)

**Rogue-X Carrier**
- Designed to interface up to two XIMEA xiX embedded vision cameras, each camera can utilize a PCIe Gen2 x4 connection.
- Additional docking sleds will include a fully sealed PC-style connector docking sled, as well as D38999 and MilSTD.

**Features**
- Commercially deployable NVIDIA® Jetson™ AGX Xavier™ platform
- 6x 2-lane or 4x 4-lane MIPI CSI Camera Inputs
- 2x NVMe M.2 Key M Slots, 3x USB 3.1, 2x GbE
- Wide input power range 9-19V DC
- Dimensions: 105mm x 105mm (4.13” x 4.13”)

**NEW**

**Fischer Rear I/O Dock**
- Wide I/O assortment including: 2x GbE, 3x USB 3.1, 2x HDMI, 2x CAN 2.0b, 4x GPIO, 4x GPO, 2x RS-232/422/485
- Additional docking sleds will include a fully sealed PC-style connector docking sled, as well as D38999 and MilSTD.
### Features

**OrbittyBox**
- Specifically designed for use with Jetson™ TX2/TX1 and Orbitty Carrier
- 2-Piece Metal Enclosure
- Dimensions: 95.2mm x 63mm x 58.2mm (3.75” x 2.48” x 2.29”) (WxHxD)
- Optional 2x SMA Antenna Connectors

**Orbitty**
- Ideal for robotics and unmanned applications or any small form factor rugged environment
- Extremely Small Size: 87mm x 50mm (3.42” x 1.96")
- 1x GbE, USB 3.0, USB 2.0, 1x HDMI, 1x MicroSD, 2x 3.3V UART, I2C, and 4x GPIO
- +9V to +14V DC Nominal (+19V Peak)

**Elroy**
- Extremely Small Size: 87mm x 50mm (3.42” x 1.96")
- Head-to-Head Dual Mini-PCIe
- Dual x2 MIPI CSI-2 Video Inputs
- Locking pin-header connectors
- Operating Temperature -40°C to +85°C (-40°F to +185°F)

**Astro**
- 2 Gigabit (10/100/1000) Ports
- USB and HDMI Ports
- Use with COTS or custom breakout boards
- Extended Temperature Range -40°C to +85°C (-40°F to +185°F)
- Video Inputs: MIPI, GMSL*

**Sprocket**
- Slimmest design possible in Z-axis – All components fit "under" TX2/TX2i/TX1 module
- Extremely Small Size: 87mm x 50mm (3.42” x 1.96")
- 1x USB OTG, 1x4 lane MIPI CSI-2, 2x 3.3V UART, 2x I2C, and 4x GPIO
- +12V to +16V DC Input Range
In business for 35 years, Connect Tech is the global leader for NVIDIA Jetson solutions. With more readily available Jetson platforms than any other NVIDIA partner you can choose from our carrier board solutions or fully packaged, ready to deploy embedded systems. In addition to our hardware platforms our customers have direct access to our in house Jetson experts; enjoy engineer to engineer discussion helping you get to market.

### NVIDIA® Jetson™ Products

**TX2 | TX2i | TX2 4GB | TX1**

Connect Tech's Cogswell Carrier for NVIDIA® Jetson™ TX2, TX2i, and TX1 is ideal for use in Gigabit Ethernet Vision applications. This product provides Gigabit Ethernet channels with built-in Power over Ethernet (PoE) sourcing capabilities, ideal for use with GigE Vision cameras.

**Features**
- Specifically designed for use with GigE Vision Cameras
- 5 x Gigabit Ethernet Channels – 4 x PoE, 2 x PoE+ PSE Gigabit Ports
- Only a single +12V input required; No external 48V PoE power required
- 1 x USB 3.0, 1x USB 2.0, 1x USB OTG, 2x RS-232, 1x miniPCIe, 1x mSATA

Spacely Carrier for NVIDIA® Jetson™ TX2/TX2i/TX1 is an ideal product for unmanned vehicle applications, or any application where situational awareness is critical. Spacely enables users to simultaneously connect up to 6 MIPI CSI-2 cameras and more.

**Features**
- Built-in expansion for a GPS/GNSS module
- Connect up to 6 MIPI CSI-2 Camera Inputs
- Tailored IO for easy connection to Pixhawk Autopilot
- 2x GbE, 1x uHDMI, 2x USB 3.0, 2x USB 2.0, 1x USB CLIENT, 1x miniPCIe Slot, mSATA Slot
- 2x UART, I2C, SPI, 16 GPIO all at +3.3V IO

Connect Tech’s Quasar is the latest carrier board addition for the NVIDIA TX2/TX2 4GB/TX2i/TX1. While very similar to the popular Orbitty Carrier, the Quasar brings in a few new features while maintaining the small 87mm x 50mm footprint.

**Features**
- Additions: 2x USB3.0, 1x 4-lane MIPI (I-PEX), 1x CAN, SATA 7-pin connector for storage
- Updated 1x HDMI 2.0 connector
- Dimensions: 87mm x 50mm (3.42” x 1.96”)
- Operating Temperature: -40°C to +85°C (-40°F to +185°F)
Visit Connect Tech on the Road

Connect Tech is regularly on the road at industry events around the globe.

Visit our website at www.connecttech.com to find out where you can see us next!

Connect Tech’s Graphite VPX/CPU-TX2/TX2i is a VITA 65 compliant 3U VPX single board computer that brings the NVIDIA® Jetson™ TX2/TX2i embedded computing platforms to the VPX form factor. This complete host solution delivers over a TeraFLOP of performance.

Features
- Multiple USB 3.0 ports, multiple GbE channels, and 6 x CSI camera interfaces
- 1 TFLOP, 256 CUDA cores with NVIDIA® Pascal™ or Maxwell™ GPU Architecture
- Conduction cooled
- The onboard PCIe Gen 3.0 switch supports two x4 port dataplane connections

Embedded Systems

This scalable array server contains 24 NVIDIA® Jetson™ TX2/TX1 modules. Three array boards house eight Jetson TX2/TX1 modules each, all connected via a Gigabit Ethernet fabric through a specialized managed Ethernet Switch developed by Connect Tech with 10G uplink capability.

Features
- 24x 1 TFLOP/s, 6,144 GPU CUDA cores with NVIDIA® Pascal™ or Maxwell™ Architecture
- 2x 10G SFP+, 2x 1G SFP Uplink Capability
- 3x 2.5” SATA drives
- 1U ATX style redundant power supply
Our NVIDIA Jetson embedded systems offer a platform that move our customers from development to deployment in the fastest way possible. These systems can also be modified to incorporate additional storage, WIFI/Bluetooth modules and more. Choose from a variety of packaging options including rugged MIL-STD 810g and DO-160 tested solutions.

NVIDIA® Jetson™ Systems
TX2 | TX2i | TX2 4GB

Connect Tech’s Rosie is a small form factor, rugged embedded system based on the NVIDIA® Jetson™ TX2/TX2i/TX1. Housed in a rugged compact enclosure with optional mounting brackets, Rosie features revolutionary NVIDIA Pascal™ or Maxwell™ architecture.

Features
- 163.6mm x 108.0mm x 96.3mm (6.438” x 4.250” x 3.790”)
- 1x HDMI, 2x GbE, 2x USB 2.0, IEEE 802.11 ac, 1x RS-232
- +9V to +36V Power Input
- Designed to MIL-STD 810g and DO-160G for shock and vibration
- Designed to IP68 ingress protection rating

Connect Tech’s Rudi Embedded System holds a lot of power in a small package. Rudi is pre-integrated with the NVIDIA® Jetson™ TX2/TX1 supercomputer-on-module, providing 256 CUDA® Cores on the NVIDIA Pascal™ or Maxwell™ architecture.

Features
- 1 TFLOP/s, 256 CUDA cores with NVIDIA® Pascal™ or Maxwell™ GPU Architecture
- Extremely small footprint 135mm x 50mm x 105mm
- USB 3.0, USB 2.0, CAN 2.0b, USB OTG, RS-232, I2C, GPIO, WiFi, Bluetooth
- 1 x miniPCIe Slot with PCIe & USB Connectivity

Connect Tech’s Cogswell Vision System is powered by NVIDIA® Jetson™. This system is pre-integrated with the NVIDIA® Jetson™ TX2 or TX1 supercomputer-on-module, providing 256 CUDA® cores on the NVIDIA® Pascal™ or Maxwell™ architecture. Cogswell Vision is both fanless and cable free.

Features
- Specifically designed for use with GigE Vision Cameras
- 5 x Gigabit Ethernet Channels – 4 x PoE, 2 x PoE+ PSE Gigabit Ports
- Only a single +12V input required; No external 48V PoE power required
- 1 x USB 3.0, 1x USB 2.0, 1x USB OTG, 2x RS-232, 1x miniPCIe, 1x mSATA

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<table>
<thead>
<tr>
<th>Name</th>
<th>Astro</th>
<th>Elroy</th>
<th>Orbitty</th>
<th>Quasar</th>
<th>Spacely</th>
<th>Cogswell</th>
<th>Sprocket</th>
</tr>
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<tbody>
<tr>
<td>Part Number</td>
<td>ASG001 w/ XBG206</td>
<td>ASG002</td>
<td>ASG003</td>
<td>ASG016</td>
<td>ASG006</td>
<td>ASG007</td>
<td>ASG008</td>
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<tr>
<td>Dimensions</td>
<td>87mm x 57mm (3.43” x 2.24”)</td>
<td>87mm x 50mm (3.425” x 1.968”)</td>
<td>87mm x 50mm (3.425” x 1.968”)</td>
<td>125mm x 95mm (4.92” x 3.74”)</td>
<td>178mm x 147.5mm (7.008” x 5.81”)</td>
<td>87mm x 50mm (3.425” x 1.968”)</td>
<td></td>
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<tr>
<td>Mini-PCie/ mSATA</td>
<td>1x Mini-PCie/mSATA half or full size (use of full size removes secondary Mini PCie slot)</td>
<td>N/A</td>
<td>N/A</td>
<td>1 x miniPCie Slot with PCie, USB + SIM; 1x mSATA Full Size Slot</td>
<td>1 x miniPCie Slot with PCie &amp; USB, x mSATA Full Size Slot</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>SATA</td>
<td>1x SATA Link</td>
<td>1x mSATA half or full size (use of full size removes secondary Mini PCie slot)</td>
<td>N/A</td>
<td>1x SATA (7-pin Data Connector)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Display</td>
<td>1x HDMI</td>
<td>1x HDMI</td>
<td>1x HDMI</td>
<td>1x HDMI</td>
<td>1x HDMI</td>
<td>1x HDMI</td>
<td>N/A</td>
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<tr>
<td>Serial</td>
<td>2x RS-232/RS-485</td>
<td>2x RS-232/RS-485</td>
<td>2x 3.3V UART through discreet connector</td>
<td>2x 3.3V UART through discreet connector</td>
<td>2x RS-232</td>
<td>2 x 3.3V from TX2/TX1 UART0 and UART1</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>1x USB 3.0, 2x USB 2.0</td>
<td>1x USB 3.0 (Integrated USB 2.0), 1x USB 2.0</td>
<td>1x USB 3.0, 1x USB 2.0 OTG</td>
<td>2x USB 3.0</td>
<td>2x USB 3.0, 1x USB OTG, 2x USB 2.0, 1x USB 2.0 to miniPCie Slot</td>
<td>1 x USB 3.0, 1x USB OTG (Micro-AB), 1x USB 2.0, 1x USB 2.0 to miniPCie Slot</td>
<td>1 x USB OTG</td>
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<td>Ethernet</td>
<td>2x GbE</td>
<td>1x GbE</td>
<td>1x GbE</td>
<td>1x GbE</td>
<td>5 x GbE (4x PoE, 2x PoE+)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Audio</td>
<td>HDMI Integrated Audio</td>
<td>HDMI Integrated Audio</td>
<td>HDMI Integrated Audio</td>
<td>HDMI Integrated Audio</td>
<td>HDMI Integrated Audio</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SD Card</td>
<td>1x microSD Card Slot</td>
<td>1x microSD Card Slot</td>
<td>1x microSD Card Slot</td>
<td>1x microSD Card Slot</td>
<td>1x microSD Card Slot</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Video Inputs</td>
<td>1 x 2 Lane MIPI CSI-2</td>
<td>2x 2-Lane (2x) MIPI CSI-2</td>
<td>N/A</td>
<td>N/A</td>
<td>6 x 2 Lane MIPI CSI-2 OR 3 x 4 Lane MIPI CSI-2</td>
<td>5x capable GbE ports</td>
<td>1 x 4 lane MIPI CSI-2</td>
</tr>
<tr>
<td>Misc</td>
<td>1x I2C Link 1x System Control, 1x RTC Battery Input, 4x GPIO</td>
<td>1x I2C Link, 1x SPI Link, 1x System Control, 1x RTC Battery Input, 4x GPIO</td>
<td>I2C, 4x GPIO</td>
<td>2 x 3.3V UART, I2C, 4x GPIO, 1x CAN</td>
<td>1x USB OTG, I2C, CAN, GPIO, 1x GPS/GNSS (optional), SPI Channel @ 3.3V IO</td>
<td>1x USB OTG, I2C, CAN 2.0, GPIO</td>
<td>1x USB OTG, I2C, 4x GPIO</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>+9V to +36V Input</td>
<td>DC Input Range +12V DC Nominal Input</td>
<td>+9V to +14V DC Nominal (+19V Peak)</td>
<td>+9V to +14V DC Nominal (+19V Peak)</td>
<td>+12V to +22V DC</td>
<td>+12 DC Only</td>
<td>+9V to +16V DC</td>
</tr>
</tbody>
</table>
Connect Tech is a leader in high-end compute platforms for the embedded market. Choose from NVIDIA® Quadro® or Tesla® GPUs paired with Xeon D (Server Class) and Intel Atom C3000 x86 processors in a compact system designed to be highly portable. Available in a fully enclosed system as well as a non-enclosed version for customer designed thermal solutions.
# Jetson Comparison

<table>
<thead>
<tr>
<th></th>
<th>Nano</th>
<th>TX2 4GB</th>
<th>TX2</th>
<th>TX2i</th>
<th>Xavier NX</th>
<th>AGX XAVIER 8GB</th>
<th>AGX XAVIER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AI Performance</strong></td>
<td>472 GFLOPs</td>
<td>1.33 TFLOPs</td>
<td>1.26 TFLOPs</td>
<td>21 TOPs</td>
<td>20 TOPs</td>
<td>32 TOPs</td>
<td></td>
</tr>
<tr>
<td><strong>GPU</strong></td>
<td>128-core NVIDIA Maxwell™ GPU</td>
<td>256-core NVIDIA Pascal™ GPU</td>
<td>384-core NVIDIA Volta™ GPU with 48 Tensor Cores</td>
<td>384-core NVIDIA Volta™ GPU with 48 Tensor Cores</td>
<td>512-core NVIDIA Volta™ GPU with 64 Tensor Cores</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Quad-Core ARM® Cortex®-A57 MPCore</td>
<td>Dual-Core NVIDIA Denver 1.5 64-bit CPU and Quad-Core ARM® Cortex®-A57 MPCore processor</td>
<td>6-core NVIDIA Carmel ARM®v8.2 64-bit CPU</td>
<td>6-core NVIDIA Carmel ARM®v8.2 64-bit CPU</td>
<td>8-core NVIDIA Carmel ARM®v8.2 64-bit CPU</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>4 GB 64-bit LPDDR4 25.6GB/s</td>
<td>4 GB 128-bit LPDDR4 51.2GB/s</td>
<td>8 GB 128-bit LPDDR4 59.7GB/s</td>
<td>8 GB 128-bit LPDDR4 (ECC Support) 51.2GB/s</td>
<td>8 GB 128-bit LPDDR4x 51.2GB/s</td>
<td>8 GB 256-bit LPDDR4x 85.3GB/s</td>
<td>16 GB 256-bit LPDDR4x 136.5GB/s</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>16 GB eMMC 5.1 *</td>
<td>16 GB eMMC 5.1</td>
<td>32 GB eMMC 5.1</td>
<td>32 GB eMMC 5.1</td>
<td>16 GB eMMC 5.1</td>
<td>32 GB eMMC 5.1</td>
<td></td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>5W / 10W</td>
<td>7.5W / 15W</td>
<td>10W / 20W</td>
<td>10W / 15W</td>
<td>10W / 20W</td>
<td>10W / 15W / 30W</td>
<td></td>
</tr>
<tr>
<td><strong>PCIE</strong></td>
<td>1 x4 (PCIe Gen2)</td>
<td>1 x1 + 1 x4 OR 1 x1 + 1 x1 + 1 x2 (PCIe Gen2)</td>
<td>1 x1 + 1 x4 (PCIe Gen3, Root Port &amp; Endpoint)</td>
<td>1 x8 + 1 x4 + 1 x2 + 2 x1 (PCIe Gen3)</td>
<td>1 x8 + 1 x4 + 1 x2 + 2 x1 (PCIe Gen4, Root Port &amp; Endpoint)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CSI Camera</strong></td>
<td>Up to 4 cameras</td>
<td>Up to 6 cameras (12 via virtual channels)</td>
<td>Up to 6 cameras (24 via virtual channels)</td>
<td>Up to 6 cameras (36 via virtual channels)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>—</td>
<td>—</td>
<td>2x NVDLA Engines</td>
<td>2x NVDLA Engines</td>
<td></td>
<td></td>
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<tr>
<td><strong>DL/Vision</strong></td>
<td>10/100/1000 BASE-T Ethernet</td>
<td>10/100/1000 BASE-T Ethernet</td>
<td>10/100/1000 BASE-T Ethernet</td>
<td>10/100/1000 BASE-T Ethernet</td>
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<tr>
<td><strong>Mechanical</strong></td>
<td>69.6 mm x 45 mm 260-pin SO-DIMM connector</td>
<td>87 mm x 50 mm 400-pin connector</td>
<td>69.6 mm x 45 mm 260-pin SO-DIMM connector</td>
<td>100 mm x87 mm 699-pin connector</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
The Jetson Family
for AI at the Edge and Autonomous System designs

**Partnersing Together – Creating Excellence**

**JETSON NANO**
0.5 TFLOPS (FP16)

- 5 - 10W
- 45mm x 70mm

**JETSON TX2 series**
1.3 TFLOPS (FP16)

- 7.5 - 15W*
- 50mm x 87mm

**JETSON Xavier NX**
6 TFLOPS (FP16)
21 TOPS (INT8)

- 10 - 15W
- 45mm x 70mm

**JETSON AGX XAVIER series**
11 TFLOPS (FP16)
32 TOPS (INT8)

- 10 - 30W
- 100mm x 87mm

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*AI at the edge

*Fully autonomous machines

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Multiple Devices - Same Software
**Jetson Accessories**

Accessories are available for our Jetson product line. Our packaged solutions such as Rudi, Rosie and Sentry-X can be customized with a variety of modules.

**Accessories include:**
- Cables, power supplies, camera adapters, camera expansions, enclosures, thermals, WIFI modules, frame grabbers, storage, bluetooth modules and more.

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**Features**
- Designed to fit the NVIDIA® Jetson AGX Xavier™ modules
- Dissipates the heat produced by the module through convection
- Dimensions: 100mm x 87mm x 16mm/3.93” x 3.43” x 0.63”

**TX2 | TX2i | TX2 4GB**
- Passive Heat Sink

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**Features**
- Designed to fit the NVIDIA® Jetson AGX Xavier™ modules
- Dissipates the heat produced by the module through convection
- Dimensions: 92mm x 105.1mm/3.62” x 4.13”

**AGX Xavier™ NX**
- Passive Heat Sink

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**Features**
- Designed to fit the NVIDIA® Jetson AGX Xavier™ modules
- Dissipates the heat produced by the module through convection
- Dimensions: 61mm x 40mm x 16mm

**AGX Xavier™ NX**
- Active Heat Sink

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**Features**
- Designed to fit the NVIDIA® Jetson Nano module
- Thermal Transfer Plate provides a surface for customers to further develop their own thermal solution
- Dimensions: 61mm x 40mm x 4.20mm

**Connector Saver**

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**Features**
- Designed to fit the NVIDIA® Jetson AGX Xavier™ modules
- Dissipates the heat produced by the module through convection
- Dimensions: 105.1mm x 105.1mm/3.62” x 4.13”

**AGX Xavier™**
- Liquid Cooling Solution
Connect Tech, the global leader for NVIDIA Jetson platforms, offers an extensive line of commercial off the shelf solutions for Jetson Nano, Xavier NX, Jetson TX2 and the Jetson AGX Xavier. Offering AI camera platforms, carrier boards and fully packaged Jetson solutions, Connect Tech have the products that will move you from development to deployment! We also pair the most current Intel processors with NVIDIA Quadro and Tesla GPUs in embedded formats.

Other embedded offerings include carrier boards for industry standards including COM Express, SMARC and Qseven, an extensive line of embedded managed Ethernet Switches including 10GB offerings as well as a wide range of I/O boards. Custom design is also part of our day to day offering; when off the shelf just doesn’t fit, we have a deep IP pool that allows for fast turn re-use to provide our customers with an exact fit solution.

Mission Statement

Connect Tech is a designer and manufacturer of computer interface products for the global market. Our commitment is customer satisfaction through fair and ethical relationships with our customers, suppliers and employees.

Connect Tech Inc. - ISO 9001:2015 Certified