Connect Tech

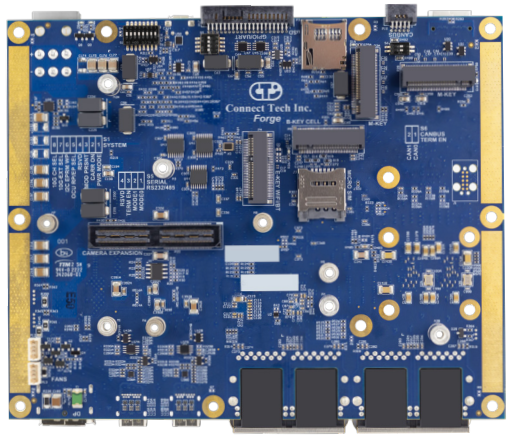
FORGE CARRIER BOARD

FOR NVIDIA® JETSON AGX ORIN™

PART NUMBER: AGX201

Forge is a full featured carrier board specifically designed for commercially deployable platforms.

Forge provides access to the impressive array of latest generation interfaces available on the NVIDIA® Jetson AGX Orin™ including dual 10GBASE-T Ethernet. The Forge also includes 2x USB 3.2, 2x GbE, Display Port, NVMe storage and a locking Mini-Fit Jr. Power input Connector.



Rugged camera add-on expansion options are available for Forge to interface directly to a range of MIPI CSI, GMSL2 and FPD-LINK III image sensors.

FEATURES

- ✓ 2x 10GBASE-T Ethernet (RJ-45)
- ✓ 1x 16-lane MIPI CSI Camera Inputs
- ✓ 2x USB 3.2, 2x GbE
- ✓ 2x NVMe M.2 Key M Slots
- ✓ Commercially deployable NVIDIA® Jetson AGX Orin™ platform

SPECIFICATIONS

Compatibility	NVIDIA® Jetson AGX Orin™ 32GB & 64GB	**Dimensions**	155mm x 125mm (6.10" x 4.92")
Networking	2x 10GBASE-T (10G Ethernet) 2x 1000BASE-T (1G Ethernet)	**Display Output**	1x Display Port
Camera Inputs	1x 16-Lane MIPI Expansion Connector Interface directly to a range of MIPI CSI, GMSL2 or FPD-Link III image sensors.	**USB**	1x USB 3.2 Ports (Type-C) 1x USB 3.2 Ports (Type-C - OTG Capable)
Storage	2x M.2 Key M 2280 NVMe (4 lane PCIe Gen3) 1x Micro SD Slot	**External PCIe Interface**	1x OCuLink Connector (4 lane PCIe Gen4) Root and Endpoint mode supported
UART	2x @ 3.3V levels UART1 and UART2 1x RS-232/485 UARTs	**I2C/SPI**	2x I2C Channel @ 3.3V IO 2x SPI Channel @ 3.3V IO
CAN	2x CAN 2.0b Non-Isolated Port	**GPIO**	4x 3.3V GPI Inputs 6x 3.3V GPO Outputs (2x PWM Capable) 1x 3.3V Power Pin at 1A
User Expansion	1x M.2 Key E 2230 WiFi/BT (PCIe/USB2) 1x M.2 Key B 3042/3052 (LTE/5G - USB3) with Micro SIM	**Input Power**	+10 to 36V DC Wide Input Power (6-pin Mini-fit Jr. Connector)
Operating Temperature	Carrier: -40°C to +85°C (-40°F to +185°F)		

RoHS

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