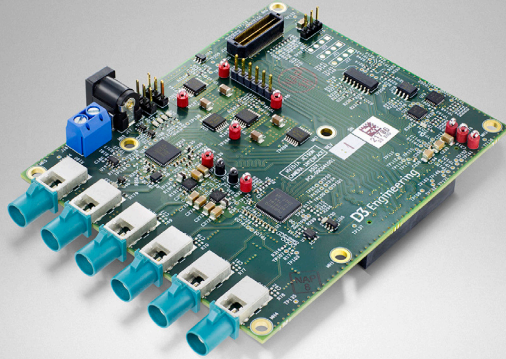


DESIGNCORE[®]

NVIDIA[®] JETSON[™] SERDES INTERFACE CARD



Multiple FPD-Link[™] III or GMSL2 sensor input card for the NVIDIA Jetson Development Kit

Easily interface multiple sensors with your NVIDIA Jetson Dev Kit for rapid prototyping

This card allows users to quickly interface and develop with multiple cameras or sensors in their NVIDIA Jetson system. Each sensor stream comes in over a serial link and is de-serialized into MIPI CSI-2 data for consumption on the Jetson Development Kit.

The two most popular SerDes standards are both available on this card: FPD-Link III from Texas Instruments and GMSL2 from Maxim Integrated. GPIO and I2C control are available for configuration, synchronization and reset.

D3 Engineering offers cameras, radar sensors, and software design examples to help you get started. We can also provide customization services to interface other sensors or create new Jetson-based designs to meet your requirements.

Supported Platforms & Cameras:

- D3 Camera Modules
- D3 Rugged Camera Modules
- NVIDIA Jetson TX1/TX2 Development Kit

SPECIFICATIONS

Inputs	4x FPD-Link III Coax 2x GMSL2 Coax 1x Direct MIPI CSI-2 (Samtec QSH-030)
Deserializers	TI DS90UB960 Maxim MAX9296A
Coax Input Connectors	FAKRA 59S2AQ-40MT5-Z_1
Interface Connector	Samtec QTH-060-04-F(H)-D-A-x
Control	I2C, GPIO
Power	12V External Power Supply
Size (in)	4.125 × 3.375

FEATURES

- 4x FPD-Link III Input Channels
- 2x GMSL2 Input Channels
- 1x Direct MIPI CSI-2 Input Channel
- Power-over-Coax Connection
- Interfaces to NVIDIA Jetson Development Kit

APPLICATIONS

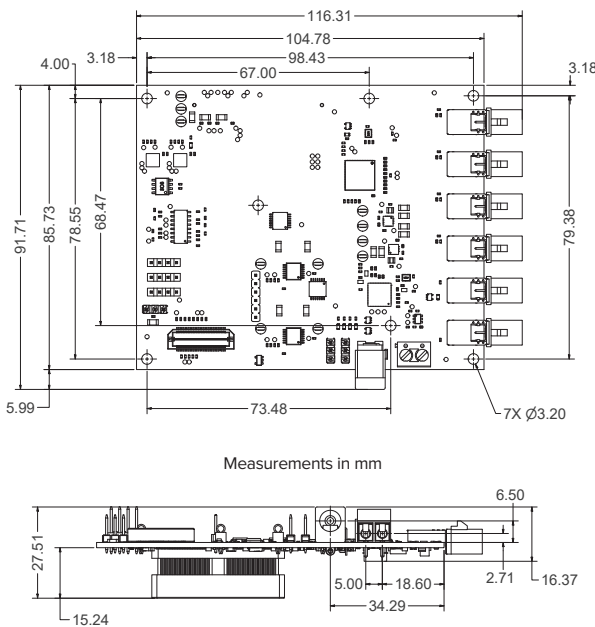
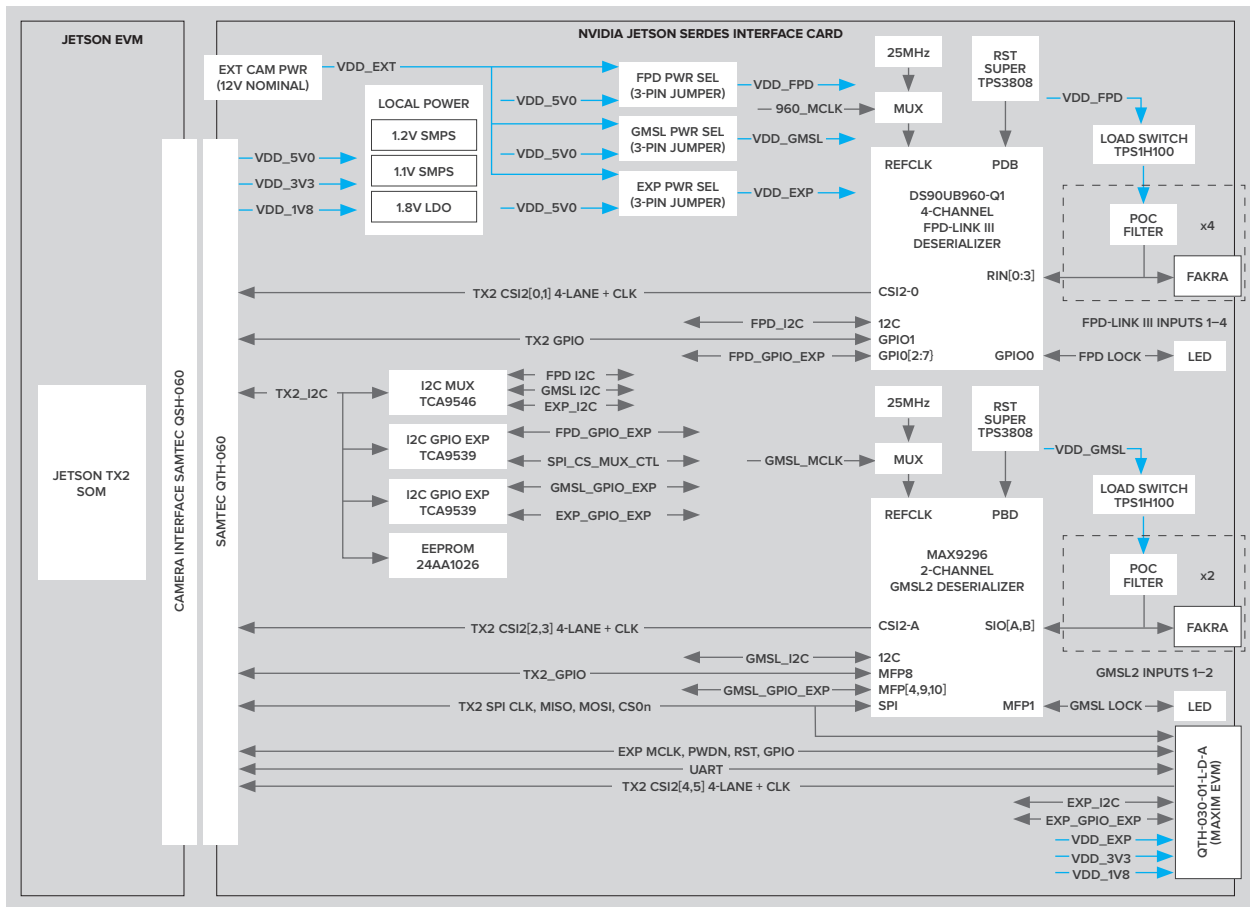
- Camera Monitoring Systems
- Industrial Vehicle Systems
- Machine Vision
- Robotics
- Autonomous Machines



ORDERING INFORMATION

SKU 1000800 | DesignCore NVIDIA Jetson
SerDes Interface Card

Buy online at <https://d3engineering.com/store>



NEXT STEPS

Contact D3 Engineering for cameras, sensors, and software examples to use with the interface card. Ask us about custom vision system design using the Jetson platform.

ACCELERATE TIME TO MARKET

D3 Engineering speeds embedded system development with our proven DesignCore camera and radar modules and full-cycle embedded product development services. Our expertise in imaging system design and our status as an NVIDIA Jetson Preferred Partner will help you get to market faster, while reducing the risks and costs of new product development.

CALL: **585-429-1550**
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 VISIT: D3Engineering.com