

Product Datasheet

FPA-4.A/AGX-Kit



Processor Adapter Kit for AGX (Quad)

Connect **FSM:GO** and the **FSM Ecosystem** to the NVIDIA Jetson AGX Family.

What's in the kit?

- All you need to get started with the NVIDIA Jetson AGX Developer Kits.
- Includes adapter, cabling and mounting material for four sensor modules.
- 4x Pixelmate™ interfaces with 4-Lane MIPI CSI-2 each.
- Synchronization and timing signal access.
- Testpoints to all other sensor signals.

Documentation

docs.framos.com

Software

www.github.com/framosimaging

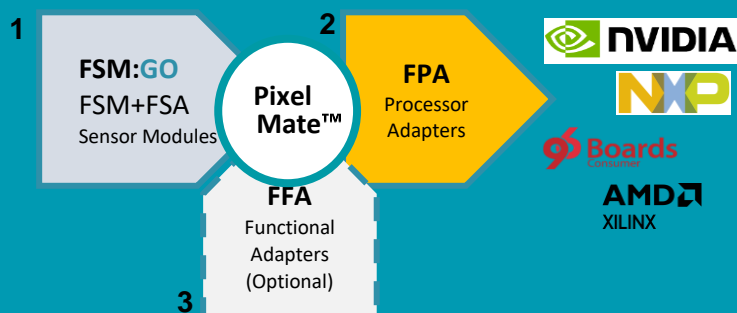
Technical Support:

support@framos.com

Did you know?

- **FPA Kits (2)** ensure the optimal kick-start with the **FSM:GO** and the **FSM Ecosystem**.
- They connect any PixelMate™ component directly to your processor board, whether it's the **FSM (1)** directly or with an optional **FFA (3)** chain in between—flawlessly and out of the box!

FSM Ecosystem:



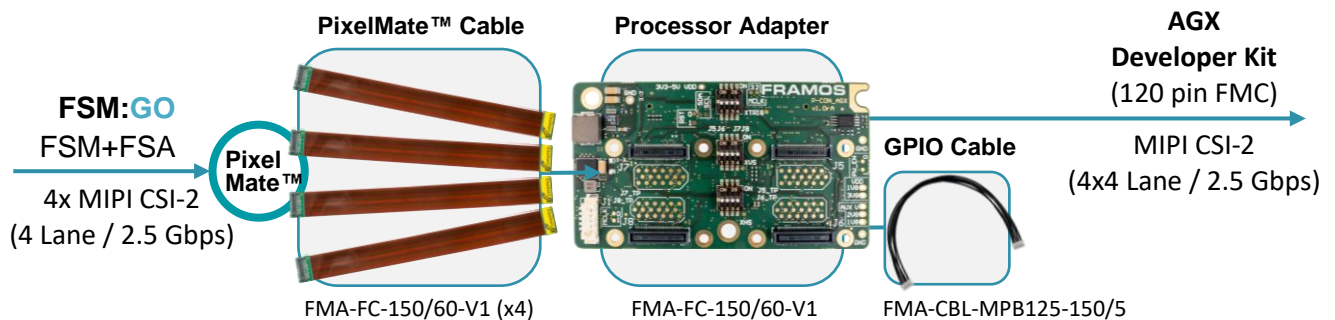
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1 PRODUCT DESCRIPTION

The FPA-4.A/AGX-Kit includes all components required to connect a FRAMOS Sensor Module (**FSM:GO**, **FSM:FSA**) either directly or via an FFA Kit. It is compatible with all NVIDIA Jetson AGX Developer Kits and 3rd-party boards that utilize the same 120-pin FMC/Mezzanine connector and pinout.



2 Drivers & Software

We provide comprehensive support for all our Sensor Modules on the NVIDIA Jetson family, offering reference implementations of MIPI CSI-2 (D-PHY) drivers and example ISP configurations. The software package enables embedded software engineers to access the communication and streaming system, ensuring optimal image capture in memory.

Additionally, all sensor drivers and device tree overlays are open source, enabling customization and extension to meet the specific requirements of any application.

Documentation of the supported image sensors, platforms and features can be found in the Wiki of the respective software releases on GitHub: www.github.com/framesimaging.

3 ORDERING INFORMATION

Part Number(s): FPA-4.A/AGX-Kit

Content of Kit:

FPA-4.A/AGX-V1	Quad PixelMate™ FPA for NVIDIA Jetson AGX Developer Kits (4x PixelMate, MIPI CSI-2)
FMA-CBL-MPB125-150/5	FPA Sync Cable, 2x Picoblade (1.25mm/5 Pin), 150mm;
FMA-FC-150/60-V1 (4 pcs)	Flex Cable 150mm for PixelMate™ MIPI CSI-2
FMA-SCW/01-KIT (2 pcs)	Screws / Spacers for direct stacking 2x FSM/FFA (4 Mounting Holes)

All components are also available separately. Detailed documentation for each component, along with Quick Start Guides, can be found in our user documentation: www.frames.com/FSM-Startup.

Note: **FSM:GO**, **FSM+FSA** or the NVIDIA Developer Kit **are not included** in this kit and must be purchased separately.

FSM:GO



Contact Information

Framos GmbH

Technical Support:

support@framos.com

Website:

<https://www.framos.com>

Mouser Electronics

Authorized Distributor

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