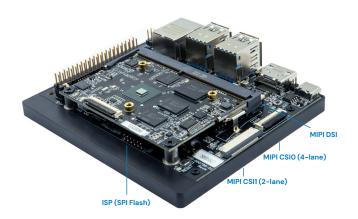




The Synaptics Astra™ Machina SL2600 Series development kit enables easy and rapid prototyping of multimodal Al-native IoT applications. A flexible design approach supports a core compute module, an I/O base board, daughter cards for integrated Wi-Fi / Bluetooth connectivity, debug, and programmable I/O. The evaluation system supports the Synaptics SL2619 SoC family that delivers unprecedented levels of price performance for the IoT, and enabled via an open, unified software experience built on Yocto Linux. The Machina SL2600 Series is powered by the open-source Synaptics Torq™ Edge Al platform, leveraging the Coral Open NPU subsystem.













Features

Core Modules:

- Synaptics SL2610 SoCs
- Storage (eMMC 5.1), memory (DRAM), PMIC, SD card slot
- Audio Input/Output
- **DMICs**
- RGMII-TX/RX

Daughter Card Interface Options:

- MIPI DSI®, MIPI CSI-2®
- JTAG, 40-pin header
- 4-pin PoE+

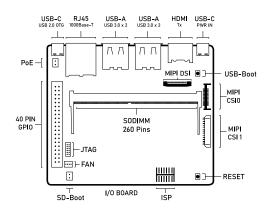
I/O Board:

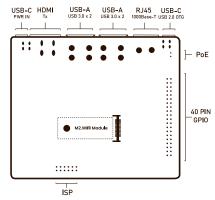
- HDMI Type-A Tx
- M.2 E-key 2230 slot for SDIO, PCIe[®]¹, and UART
- USB 3.0 Type-A: 4 ports, host mode
- USB 2.0 Type-C: OTG host or peripheral mode
- Push buttons: USB-BOOT selection and system
- 2pin Header: SD-BOOT selection
- Type-C power supply with 15V @ 1.8A

Synaptics Astra Machina

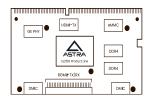
SL2600 Series Dev Kit System Diagrams

I/O Module Front and Back Views





SL2619 Core Module





* Currently supported, more options to be added.

Resources

- Synaptics Astra GitHub: https://github.com/synaptics-astra
- Synaptics Astra Al Developer Zone: https://developer.synaptics.com/

synaptics[®]

Trademarks

Contact

Notice

¹ SL2600 Series does not support PCle on the M.2 connector