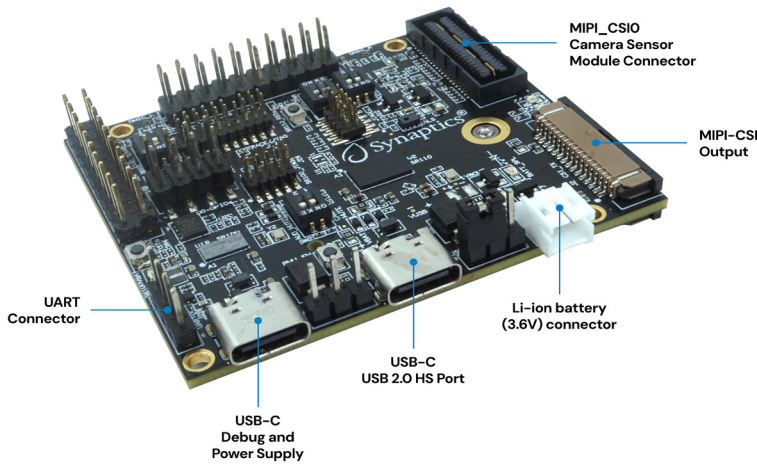




The Synaptics Astra™ Machina Micro dev kit enables rapid prototyping for the Synaptics SR100 Series of high-performance, context-aware, multimodal AI MCUs. The dev kit brings interfaces and IO ranging from qSPI for storage, M.2 for connectivity, digital mics for voice processing, and MIPI-CSI for multiple camera inputs. The SR100 series of MCUs - including SR110, SR105, and SR102 deliver AI-accelerated performance at all power levels in combination with ultra low-power multimodal sensing.



FAST PROTOTYPING



STANDARDS RTOS DEVELOPER EXPERIENCE



PRE-INTEGRATED, OPTIMIZED AI MODELS



LOREM IPSUM LOREM IPSUM

## Features

SR100 Dev Kit:

- Synaptics SR100 SoC
- Storage (xSPI): pSRAM & QSPI
- 2xDMICs
- 1 Buck-boost Converter
- 1x 3-Axis Accelerometer
- 1xALS (Ambient Light Sensing)

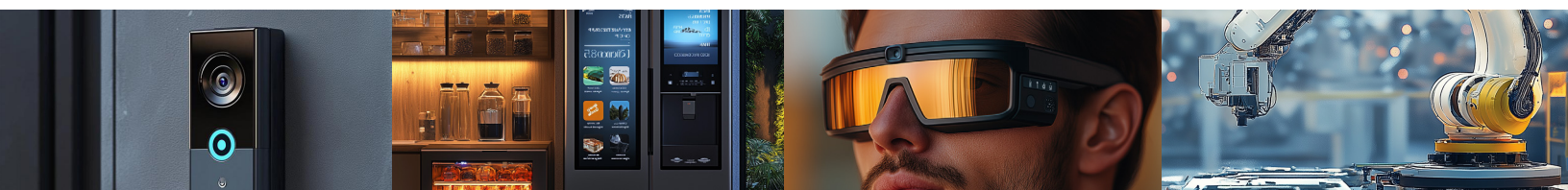
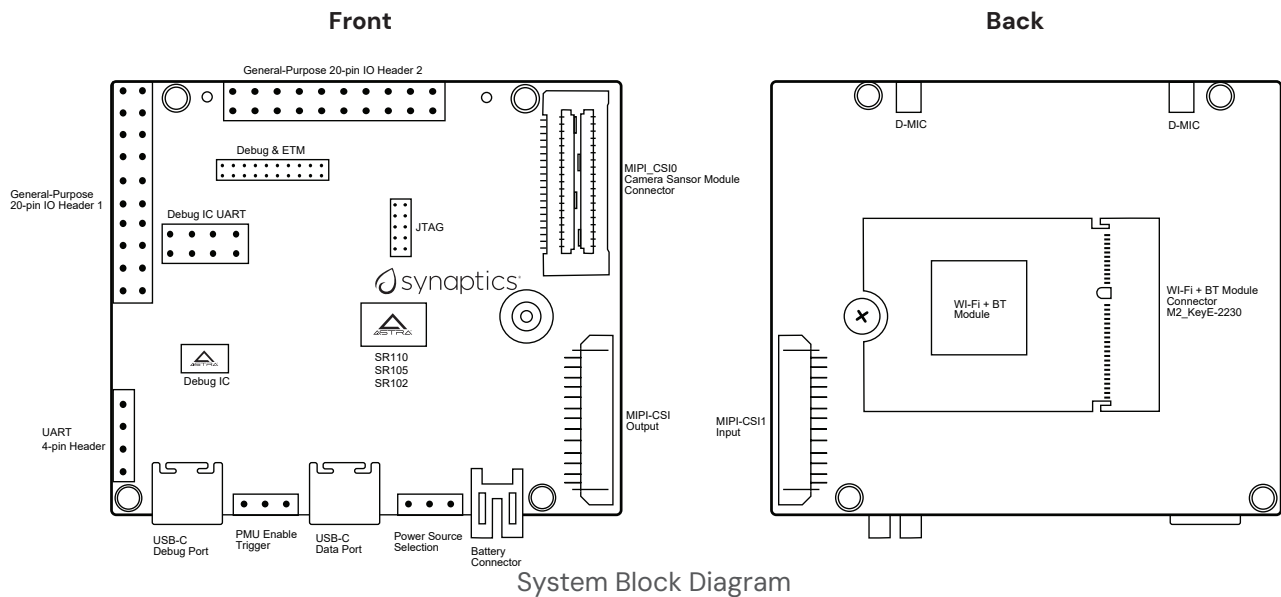
Daughter card interface and I/O header options:

- MIPI CSI-0, Camera Sensor input
- MIPI CSI01, Output
- General Purpose 20-pin IO header 1: PDM1, I2S, SDIOO

- General Purpose 20-pin IO header 2: I2C, SPI UART1, PDMO
- UART0 (4-pin header)
- Debug ports: JTAG, UART
- M.2 E-key 2230 slot for SDIO, UART, PCM
- USB 2.0 Type-C: HS (480Mb/s), Device Controller
- Push buttons: system Reset, PMU enable/ Disable, SoC Reset, User button
- Camera and Audio Mute
- 2-pin Header: External Vbat Supply optional
- Type-C power supply with 15V @ 1.8A

## Synaptics Astra Machina Micro SR Series

SR100 MCU Dev Kit



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### Contact

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