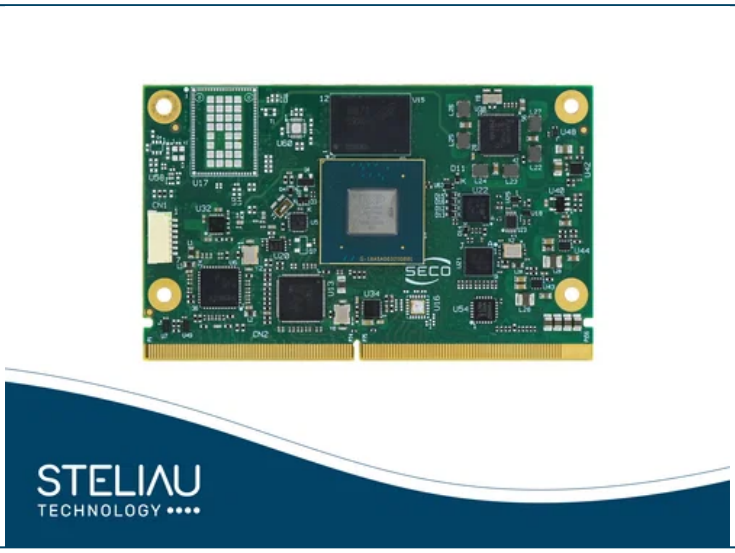
SOM-SMARC-MX95



SMARC® Rel. 2.1.1 module with NXP i.MX 95 Applications Processors. (E88)

The SOM-SMARC-MX95 is a SMARC® Computer-on-Module designed for high-performance and secure computing in IoT applications which can operate at industrial temperature ranges.

Key specifications include the NXP i.MX95 applications processor, featuring 6x Arm® Cortex®-A55 cores, an Arm® Cortex®-M7, and an Arm® Cortex®-M33. It supports up to 16GB of LPDDR5 memory and integrates an Arm Mali-G310 V2 GPU for 2D/3D graphics acceleration. With a 2.0 TOPS NPU, the module is optimized for offline local AI inference, for small LLMs, image segmentation and anomaly detection. Connectivity options include 2x GbE with TSN support and multiple display and camera interfaces. The SOM-SMARC-MX95 is ideal for a range of applications including industrial automation, robotics, smart city solutions, and medical devices.

- Cpu: NXP i.MX 95: 6x Cortex-A55 @2GHz ,1x M33 core @333MHz, 1x M7 core @800MHz
- Graphics: 2D/3D GPU and NPU ML accelerator up to 2.0 TOP/s
- Connectivity: 2x GbE, optional Wi-Fi + BT/BLE module, support for 3rd 10Gps interface
- Memory: Up to 16GB LPDDR5

For full product
info and datasheet
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