

FirstView together with MAS Elettronica follows up on the success of i.MX6 Series SOM offering with a rugged, reliable and low cost i.MX8X Version. The FVC-MX8X-SOM is an embedded single board module optimized for performance and power with a life cycle that removes concerns for obsolescence. The board is designed to be paired with a custom carrier board to fit specific applications in a wide range of environments.

APPLICATION AREAS



INDUSTRIAL



AUTOMOTIVE



MEDICAL

Automotive—instrumentation, infotainment, display audio, smart antenna, Vehicle-to-Vehicle (V2X), gateway and camera systems.

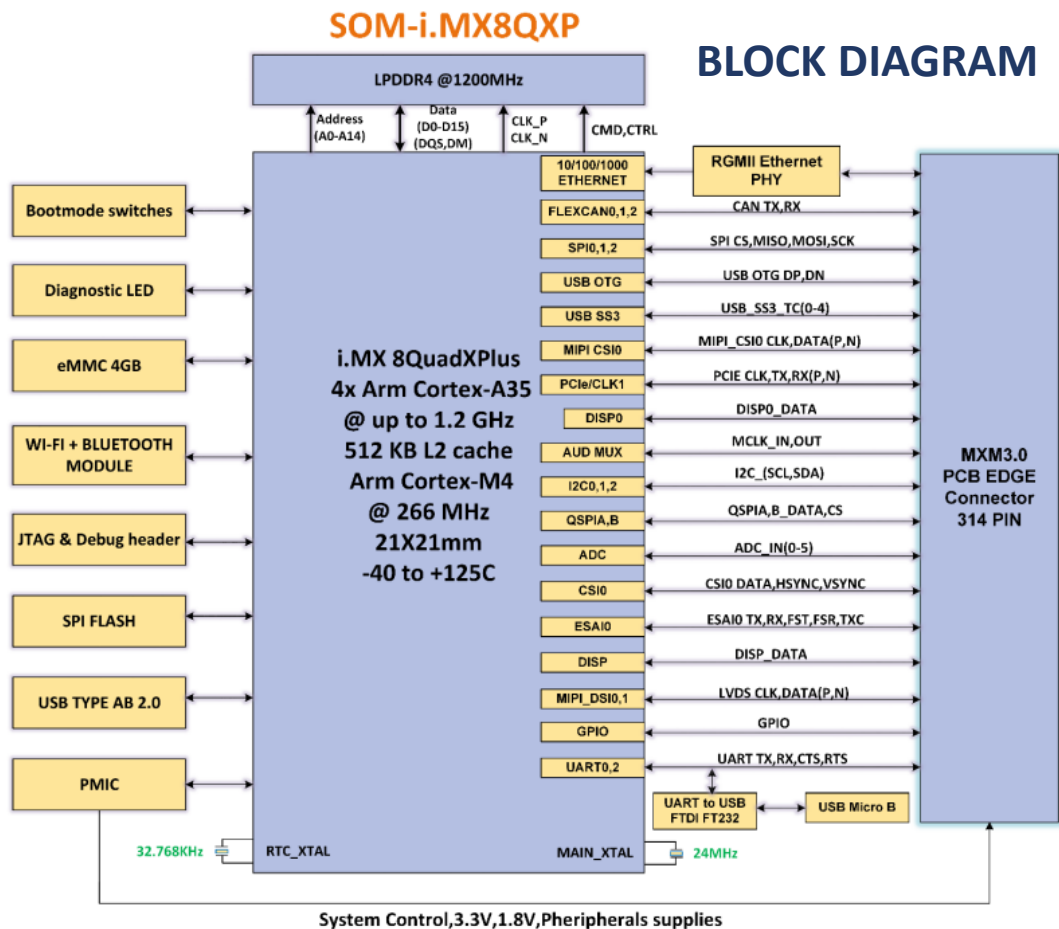
- Avionic/Industrial—avionics cockpit display, in-flight entertainment
- Advanced Human Machine Interface-HMI
- Robotics—drone, mobile service robot
- Building Control—fire and security panel, elevator control, HVAC control
- Healthcare – Patient Monitoring



FEATURES OF THE Celerity SOM

Arm® Core	Celerity i.MX8QuadXPlus SOM
Arm® Core	4 X Cortex-A35, 1 X Cortex-M4F
DSP Core	Tensilica® HiFi 4 DSP
DRAM	LPDDR4 1200MHz 8GB
eMMC	4GB, ver. 5.0 (HS400) expandable upto 8GB
SPI NOR Flash	16Mbit
GPU	1 x GC7000Lite Performance Optimized
VPU	4K h.265 dec, 1080p h.264 enc/dec

Arm® Core	Celerity i.MX8QuadXPlus SOM
Ethernet	2 x Gigabit with AVB
WiFi/BT	Wi-Fi/BT Module SX-SDMAC-2832S+
USB	1 x USB 3.0 (can be used as USB 2.0) 1 x USB 2.0
Operating System	Linux 5.4.3, Yocto Zeus
Dimensions	85x85mm
Temperature	-40° to +125° C



ORDERING

ORDERING CODE	DESCRIPTION	Comments
CLR_000_0_0	Full feature board	Standard product