SODIMM

MICROPROCESSOR ARCHITECTURE

i.MX 8M Plus 0012510

Based on the Sodimm format, this **SOM + CARRIER Solution** is designed to offer high performance for applications with high graphics requirements.

APPLICATIONS

- Ho.Re.Ca
- Transportation
- Aerospace
- Industrial
- Naval
- Medical
- Robotics
- Digital Signage
- Automotive
- Household appliances

MAIN FEATURES

CPU
NXP i.MX8M Plus (Quad ARM Cortex A53 1.6GHz - ARM cortex M7 800 MHz)

MASS STORAGE
Starting from 8 GB eMMC / micro-SD slot

RAM
LPDDR4 1-8GB

CONNECTIVITY
1x GB Ethernet / WiFi / Bluetooth 4.2

OPERATING SYSTEM
Linux Yocto / Debian / Android 13

GRAPHICS
GC7000UL, 3D and 2D Accelerator

VIDEO
LVDS interface with 1920x1200 resolution (Full HD)
HDMI up to 3840x2160 (4k)

USB
2 USB 2.0 + 1 USB 3.0 + 1 OTG

INTERFACES
1xI2C, 1xUART, 1xRS232, 1xRS485, 1xCAN, Mini Pci Express, Micro sim slot, 1xMIPI CSI 4-lane camera

I/O
7 GPIO + 1xPWM

POWER SUPPLY
From 15Vdc to 35Vdc / Available voltages on board: 3,3Vdc, 5Vdc, 12Vdc.

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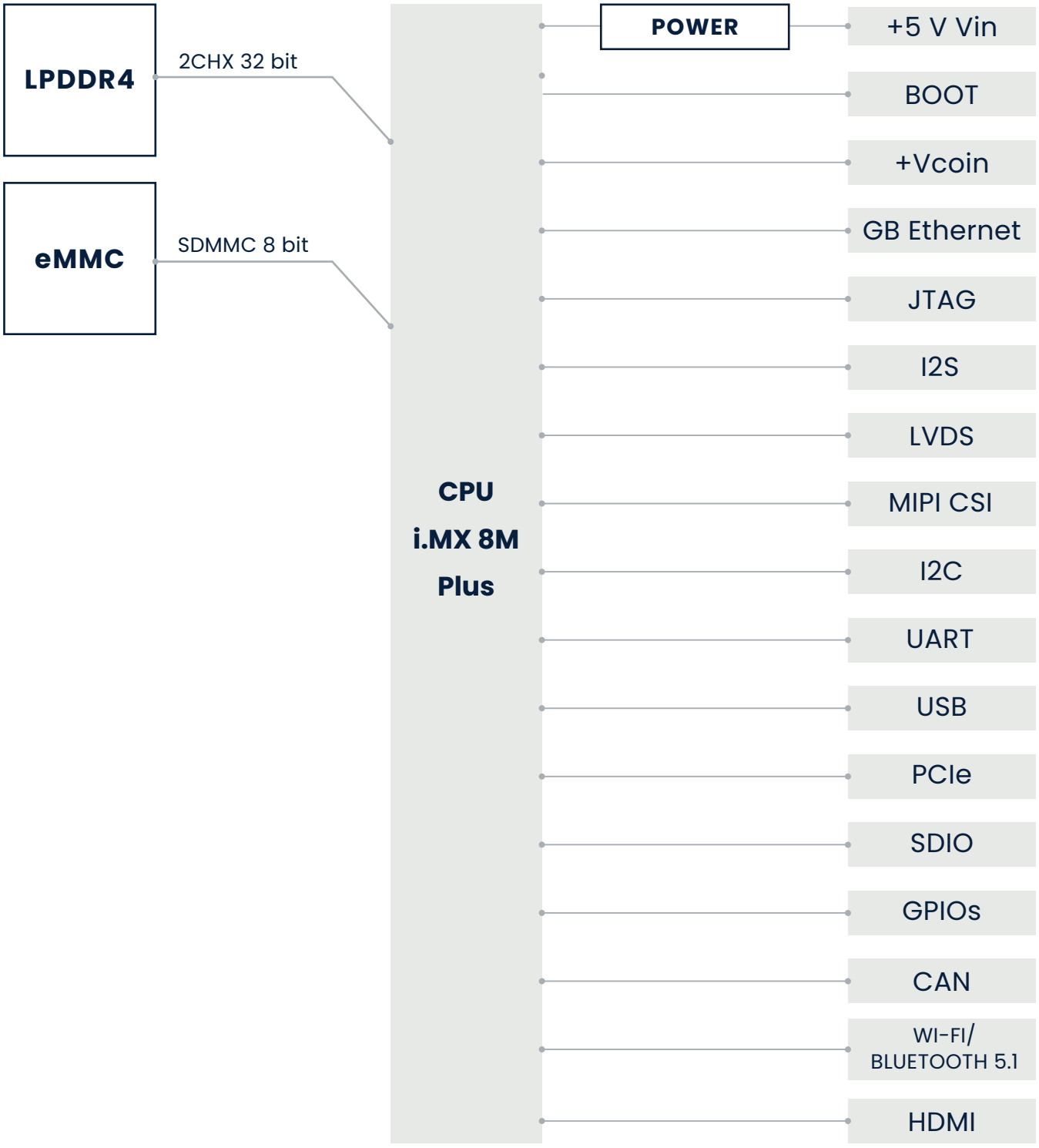
Block Diagram Arm Cortex **i.MX 8M Plus**



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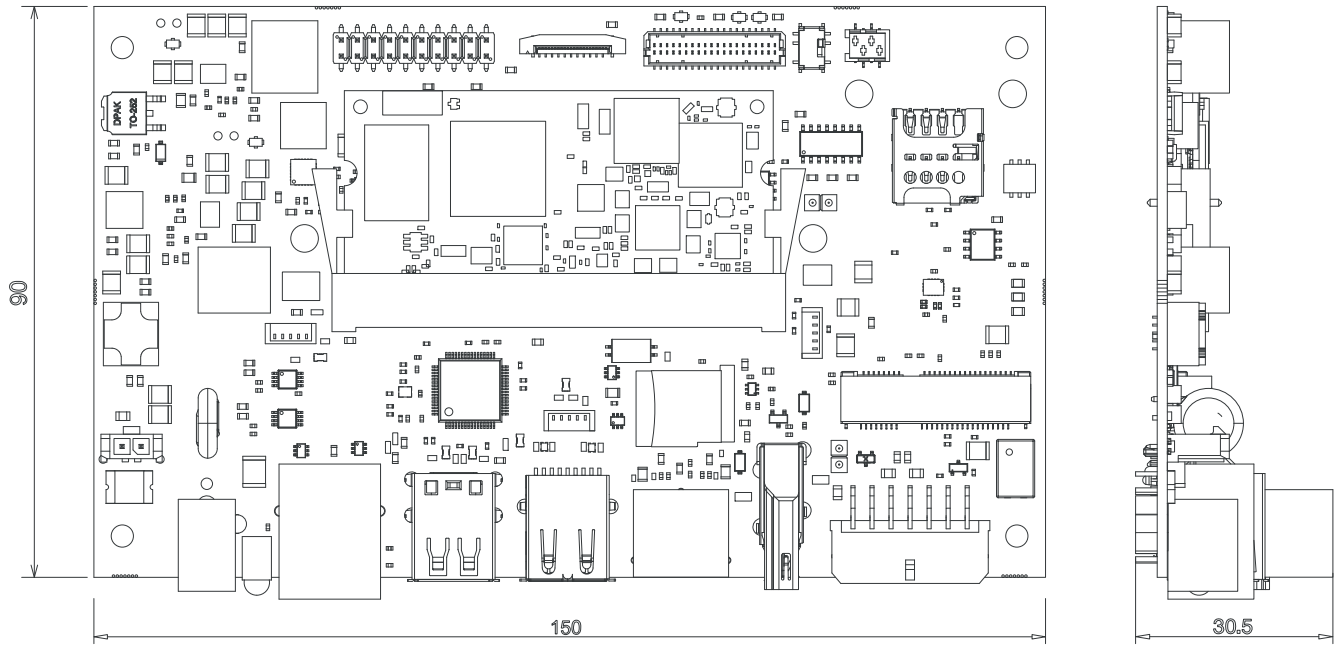
Dimensions



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Interfaces and ports