



SODIMM











MICROPROCESSOR ARCHITECTURE

i.MX 8M Mini





Based on the Sodimm format, this **SOM + CARRIER Solution** is designed to offer solid performance for multimedia applications.




APPLICATIONS

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

MAIN FEATURES

	CPU NXP i.MX 8M Mini (Quad ARM Cortex A53 1.6GHz ARM cortex M4 400 MHz)
	MASS STORAGE Starting from 4 GB eMMC / micro-SD slot
	RAM LPDDR4 1-4GB
	CONNECTIVITY 1x GB Ethernet / WiFi / Bluetooth 4.2

 **OPERATING SYSTEM**
Linux Yocto / Android 12


 **GRAPHICS**
GCNanoUltra, 3D and 2D Accelerator

 **VIDEO**
LVDS interface with 1920x1200 resolution (Full HD)

 **USB**
5 USB 2.0 + 1 OTG

 **INTERFACES**
1xSPI, 2xI2C, 1xUART, 1xRS232, 1xRS485, 1xCAN, Mini Pci Express, Micro sim slot, 1xMIPI CSI 4-lane camera

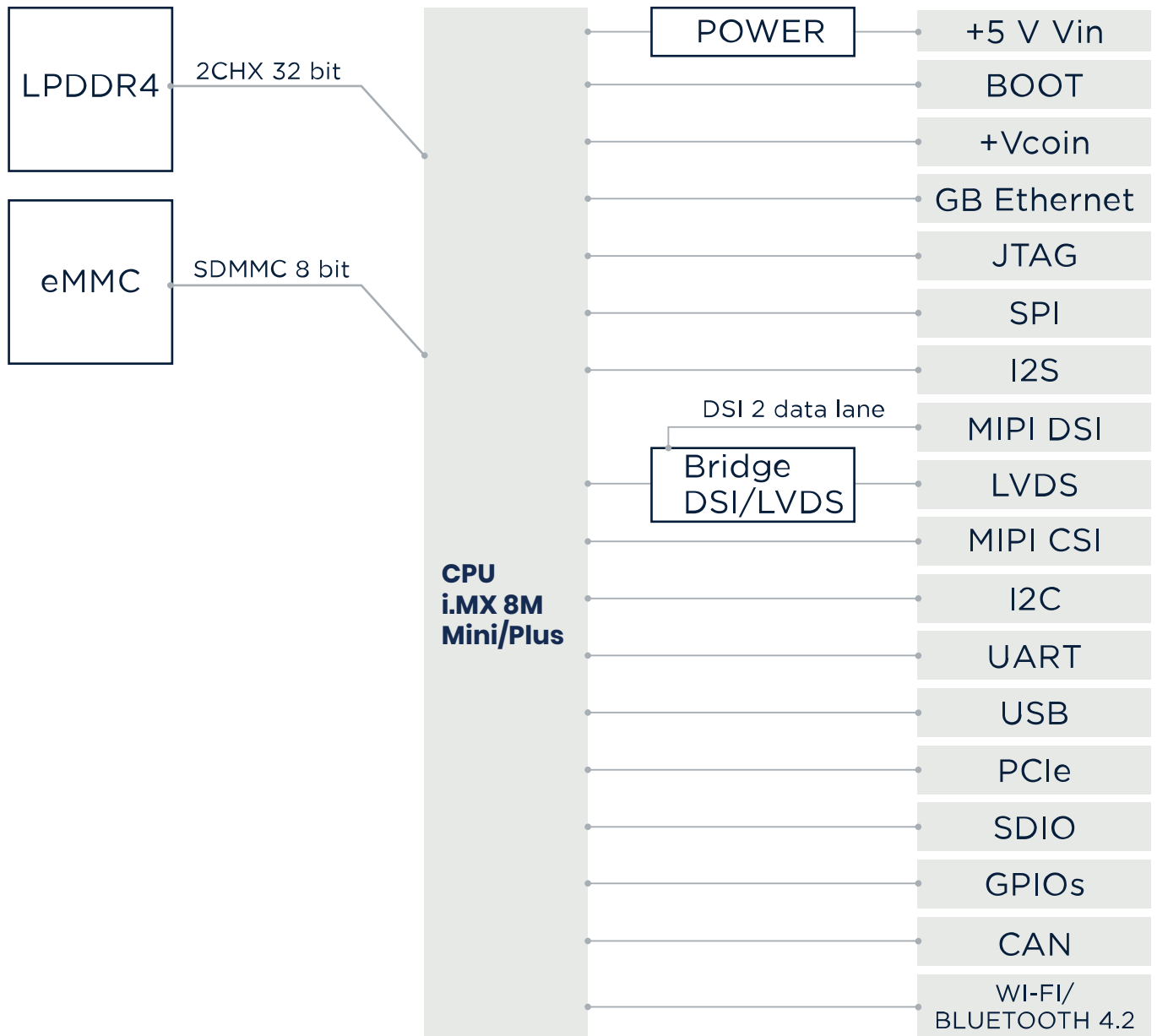
 **I/O**
37 GPIO + 4xPWM

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



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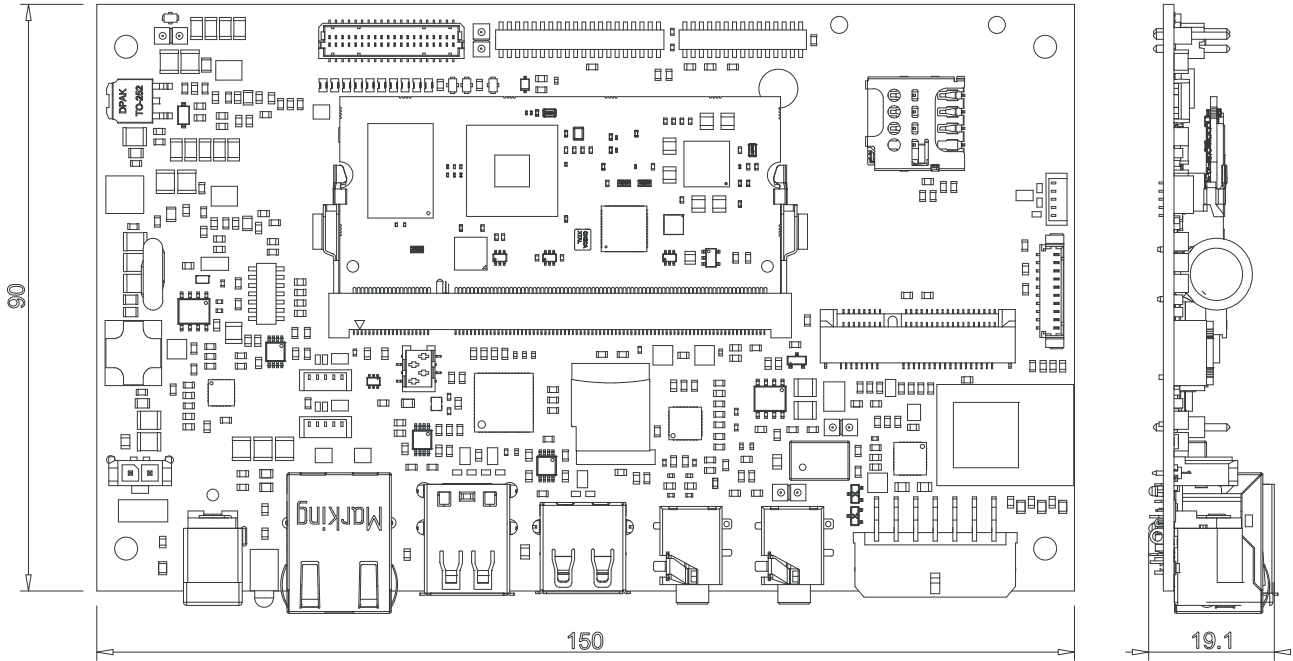
Block Diagram Arm Cortex **i.MX 8M Mini/Plus**





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Dimensions



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Interfaces and ports

