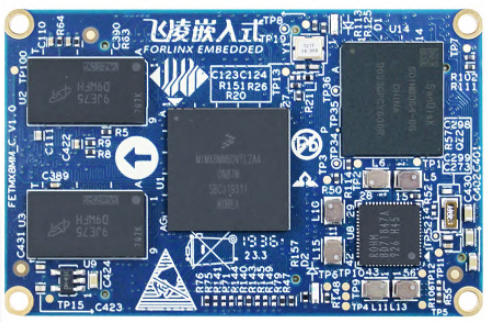
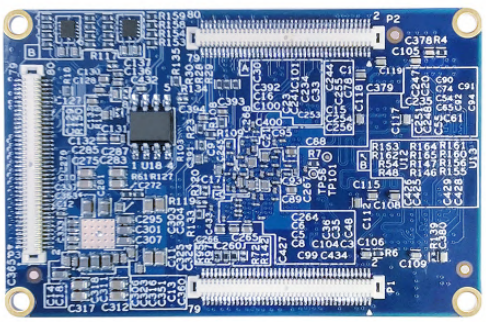
FETMX8MM-C

DESCRIPTION

FETMX8MM-C is a system on module designed based on NXP Cortex-A53 featuring quad-core 64-bit processor i.MX8M Mini with frequency up to 1.8GHz,and it can support a Cortex-M4 core@400MHz.It carries 2GB DDR4 and 8GB eMMC on-board.A wide range of audio interfaces are available, including I2S,AC97,TDM, and S/PDIF. There are a number of other interfaces for connecting peripherals,such as USB,PCIe,and Ethernet.

FETMX8MM-C System on Module			
CPU	NXP i.MX 8M Mini	Display	4-lane MIPI-DSI
Architecture	Quad-core Cortex-A53+ Cortex-M4	SAI	5
Frequency	⩽ 1.8GHz	UART	4
RAM	2GB DDR4	IIC	4
ROM	8GB eMMC	eCSPI	3
OS	Linux4.14.78+Qt5.10.1、Android9.0	FlexSPI	1
Voltage input	5V	Camera	1x MIPI-CSI
Working Temp	0°C ~ +70°C / - 40°C ~ +85°C	SD/SDIO	2
Package	Board-to-board connector	USB	2x USB 2.0 OTG
Dimensions	56mm x 36mm	PCIe	1
PMIC	BD71847AMWV-E2	PWM	4
GPU	3D:GC NanoUltra 2D:GC320	JTAG	1
Video Coder	1080p60 H.265、VP9、H.264、VP8 Decode 1080P60 AVC/H.264、VP8 encoder	PDM	1
Ethernet	1x 10/100/1000Mbps auto-negotiation		





OKMX8MM-C Single Board Computer			
Display	1 x MIPI-DSI	SD/MMC	1x TF Card
Audio	1x Phone，1x Mic，2 x Speaker	SDIO	1
Ethernet	1x 10/100/1000Mbps	USB Host	2，USB2.0
UART	1	USB OTG	1，USB2.0
Debug	1x A53 Debug (RS232) 1x M4 Debug (UART)	WiFi&BT	WiFi：IEEE802.11b/g/n BT：BTV2.1/BT V3.0/BT V4.0
RS485	1	Mini PCIe	1
IIC	4	PWM	1
SPI	2	JTAG Debug	1
QSPI	1，on-board QSPI NOR FLASH	PDM	1
Camera	1x MIPI-CSI	SAI	1

APPLICATION

HMI,edge computing,streaming media,printer,medical,machine vision,machine learning,car entertainment.