FETMX6Q-S SoM
FETMX6DL-S SoM

OVERVIEW

FETMX6Q-S and FETMX6DL-S system on modules are also based on i.MX6Quad and i.MX6DualLite processors from NXP, the difference is that they could be soldered on carrier board directly but not pluggable.

SoM FETMX6Q-S/ FETMX6DL-S Features			
CPU	NXP i.MX6Quad/ i.MX6Dual Lite	Display	1x RGB888, 2x 8-bit LVDS, 1x HDMI
Architecture	Cortex-A9	IIS	1
Frequency	1.0GHz	Ethernet	1x 10M/ 100M/ 1000Mbps
RAM	1GB DDR3(2GB optional)	UART	4
Flash	8GB eMMC	EIM	32-bit data bus, 27-bit address us
OS	Android4.4.2, Android6.0 Linux3.0.35, Linux4.1.15	IIC	3
Voltage input	4.2V	SPI	2
Working Temp	0℃~ +70℃; -40℃~ +85℃	Camera	1x DVP
Package	edge soldering(220 pins, pitch 1mm)	SD/ MMC/ SDIO	2
Dimensions	60x 60mm	USB	1x Host, 1x OTG, USB2.0
PMIC	MMPF0100NPEP	SATA	1, only for FETMX6Q-S
GPU	Vivante GC355 / Vivante GC320	PCIe	1
Video codec	hardware codec	EINT/ GPIO	supported

OKMX6Q-S3/ OKMX6DL-S3 Carrier Board Features			
Display	1xRGB888, 2x 8-bit LVDS, 1x HDMI	USB Host	2, USB2.0
Audio	1x Phone, 1x MIC, 2x Speaker	USB OTG	1, USB2.0
Ethernet	1, 10M/ 100M/ 1000M, RJ45 connector	SATA	1, only for OKMX6Q-C
UART	3, 2x 3-lane, 1x 5-lane	Mini PCIe	1, for 3G/ 4G connectivity
RS232	1, debug port	WiFi& BT	1
CAN	1	RTC	supported
IIC	3	EINT/GPIO	supported
SPI	1	Keys	4
Camera	1x DVP	DIP	booting mode selection
SD/MMC/SDIO	2	Voltage input	DC5V

TARGET APPLICATION

Car electronics, digital signage, financial device, HMI, in-flight entertainment, industrial control, medical, instrument, smart city, commerce electronics.