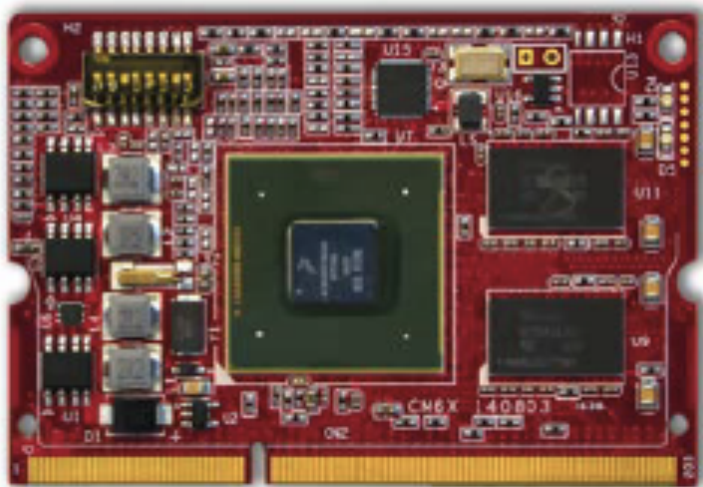


CPU Vera i.MX6

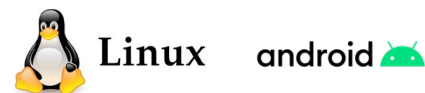


45 mm

67.6 mm

Processor:
iMX6 Solo, DL, Dual Quad

Software:
LINUX, Android NOUGAT



Applications

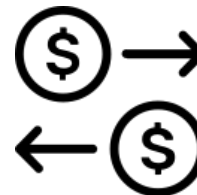
- Infotainment



- Multimedia



- Payment



Vera – MCIMX6 High Performance CPU Module

Supporting the i.MX6 Solo/DL/DualQuad/Single Core ARM Cortex A9, CPU VERA allows designers to use a single System on Module in a broad range of applications to achieve short time-to-market for their current innovations, while still accommodating potential R&D directions and marketing opportunities.

CPU Vera i.MX6

FEATURES OF THE VERA MODULE:

CPU	
CPU name	i.MX6 NXP
CPU Type	Cortex™ A9 MP Core
Cores	X1, x2, x4
CPU Clock (Max)	1.2 GHz
Peripherals	
SD/MMC	X2
USB Host / Device	USB 2.0: 1x Host, 1x OTG
UART	X6
I2C	X2
S-ATA	SATA II interface, 3.0 Gbps
RTC	On Board
PCI – Express	Gen 2.0
CAN	Dual Can Bus
Ethernet	10/100/1000 Mbps Ethernet
GPIOz	Variable, shared with other peripherals
Display	
HDMI	V 1.4 1920 x 1080
LVDS	Single 1920 x 1200 24-bit
DSI	1920 x 1200 24-bit
Multimedia	
2D/3D Graphics	Vivante™ GC2000
Acceleration	Accelerated 2D and 3D
Video Encode / Decode	1080p60 H. 264 Decode 1080p30 H. 264 Decode
Camera Interface	1x CSI, 2x CPI

Memories	
RAM	256 – 4096 MB DDR3
eMMC	Up to 64 Gbyte
NOR	SPI 16 Mbyte
Software Support	
Linux	Dernel 4.1.15 Yocto
Android	7.1 Nougat
Windows Embedded Compact	Upon Request
Mechanical Specifications	
Dimensions (W x L x H)	67.6 mm x 45 mm
Electrical Specifications	
Power Supply	5V
Consumption	TBD
Environmental Specifications	
Commercial Temperature Range	0 to 70°C
Extended Temperature Range	-40 to +85°C
Longevity	
Minimum Availability	2028