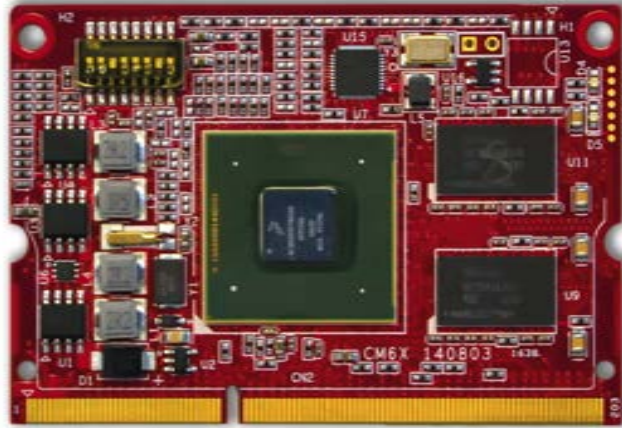


CPU VERA i.MX6

CLOUD SERVICE



HIGH
PERFORMANCE

45 mm

67,6 mm

Processor i.MX6 Solo, DL, Dual Quad

Software LINUX / Android NOUGAT



APPLICATION AREAS:



INFOTAINMENT



MULTIMEDIA



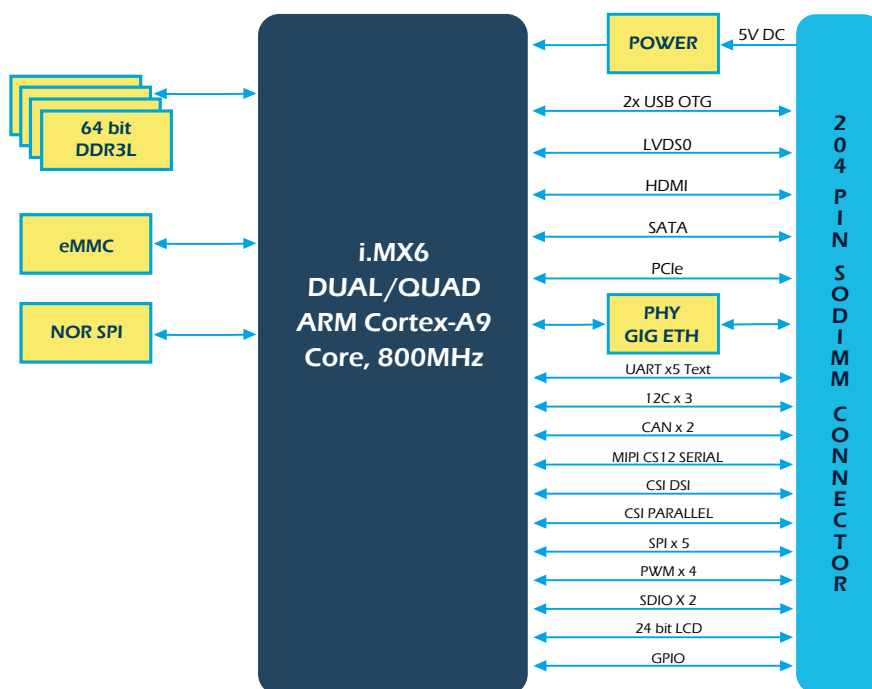
PAYMENT

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 accomodating potential R&D directions and marketing opportunities.



CPU VERA i.MX6



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 Acceleration	Vivante™ GC2000 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	Kernel 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