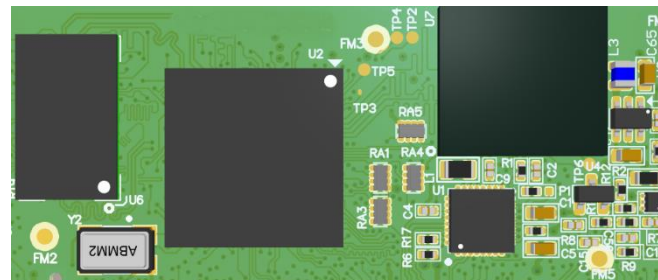


Module based on NXP® i.MX 6ULL/UL with Arm® Cortex®-A7 Core.

Features

- Compact size
- Industrial and commercial operating temperatures available
- Options with up to 32GB eMMC and 1GB RAM
- On board Ethernet PHY with additional RGMII interface
- Only a single 3.3V supply required
- Supports eMMC HS400 mode
- 2x Header Hirose DF40C-90DS-0.4V(51) on bottom side



Applications

- Power metering and smart grid
- Network gateways
- Connected devices
- Human Machine Interfaces – control panels

Support

- Yocto Linux based BSP
- Virtual machine for easy set-up of environment and system image
- **Software and hardware integration services**
- **EVb - Carrier board for SOM module available**

Technical specifications		
Model available	99.0434.0001	99.0434.0002
CPU	MCIMX6Y2CVM08AB	
Architecture	32-bit Arm® Cortex®-A7	
RAM	8Gb	8Gb
eMMC	8GB	16GB
Ethernet	10/100 PHY	
Clock speed	792 Mhz	
MIPS	1.9 DMIPS/MHz	
Operating temperature (industrial range)	-40°C +85°C	
dimensions	25 x 50mm	

Hardware accelerators	PXP, ASRC, FPU
Security features	ARM TrustZone, SJC, SNVS, CSU, A-HAB
Module Power	
Required power	3V3 (optional RTC backup voltage)
Current	Theoretical Maximum 1200mA with all peripherals active (not fully characterized)
Power	4W (not fully characterized)
MPU Peripherals	
UART	Max 7
CAN	Max 2
I2C	Max 3
SPI	Max 3
ADC	Max 2
Timer/PWM	Max 4/8
USB	1 Host (external 5V required) + 1 OTG
LCD	EPD, RGB WXGA
Network	On-board 10/100 PHY, supports additional PHY on RGMII port
SD Card Host	Max 1 (selectable boot)
JTAG	Available on header pads

refer to datasheet and application manual for proper pin multiplexing: above peripherals may share physical I/Os.

These specifications are subject to change without notice and they are valid errors or omissions excepted.
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