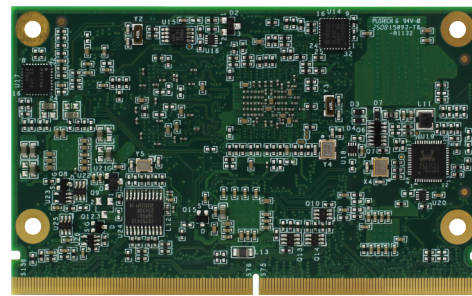
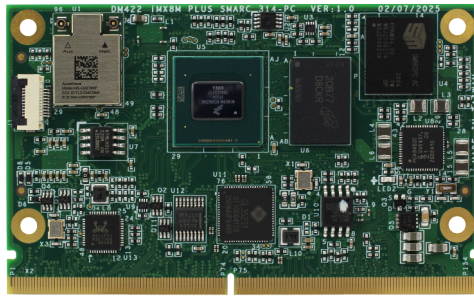


NX8MP-SMARC



Specifications

CPU	NXP i.MX8M Plus Quad, 4 x Cortex-A53 1.6GHz		
RAM	4/8 GB LPDDR4 Onboard		
NPU	2.3 TOP/s		
Display	GPU: GC7000UL for 3D engine / GC520L for 2D engine HDMI: Maximum resolution up to 3840 x 2160p30 LVDS: Dual-LVDS 24-bit maximum resolution up to 1920 x 1200 @ 60Hz (Chosen between HDMI)		
LAN	GbEx2		
Disk Support	On board eMMC 16~128GB (MLC)	SDIO	CAN bus x2
I/O Interface	USB (ver. 2.0) x3 (Inc. 1x USB OTG)	Up to UART x4	MIPI-CSI x2
	USB (ver. 3.0) x2 (Inc. 1x USB OTG)	4-wire x2	2-lane x1
		2-wire x2	4-lane x1
I/O Interface	SPI x1	PCIe Gen3	Wi-Fi & Bluetooth (optional)
	i2c x5 (Inc. 1 for Power management)	14-bit GPIO	i2s audio x2
	TPM (Optional)		
Power Requirement	DC +5V		
Operating Temperature	-0°C to +70°C (1.8GHz CPU)	-20°C to +70°C (1.6GHz CPU)	-40°C to +85°C (Optional) (1.6GHz CPU)
Dimension	82 x 50 mm		
Weight	40g		
O/S Support	Yocto Linux	Android	

NX8MP-SMARC Block Diagram

