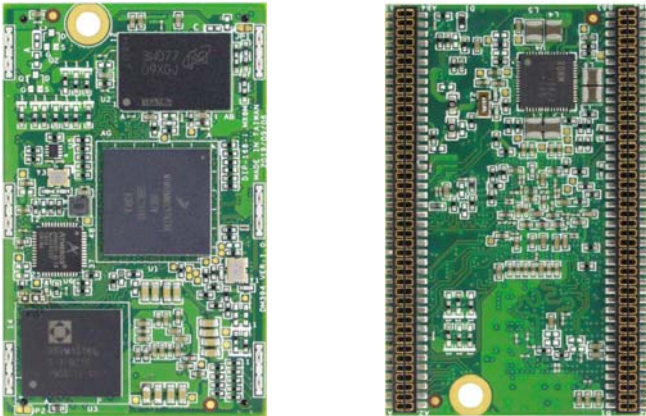


NX8MM-D168



- ◆ i.MX8M Mini
- ◆ Quad core Cortex-A53 1.6GHz
- ◆ 3D GPU / 1080p60 VPU
- ◆ 10+ years life cycle
- ◆ Industrial Grade

Specification	
CPU	NXP i.MX8M Mini Quad, 4 x Cortex-A53 1.6GHz
GPU	GCNanoUltra for 3D acceleration GC320 for 2D acceleration
VPU	Decode: 1080p60, H.265, H.264 Encode: 1080p60, H.264
Co-CPU	Cortex-M4
RAM	Onboard LPDDR4 1GB/2GB/4GB
Storage	Onboard eMMC 4GB ~ 64GB, MLC / SLC
Display	MIPI-DSI, 4 data lanes, up to 1920x1080 60Hz
Camera	MIPI-CSI, 4 data lanes
Ethernet	Gigabit Ethernet x 1
Audio	Up to 3 x I2S/SAI , S/PDIF input/output
PCIe	Gen 2.1 PCIe x 1
USB	USB 2.0 x 2
UART	Up to 4 x UART
eMMC/SDIO	Up to 2 x eMMC/SD/SDIO
SPI	Up to 3 x SPI
I2C	Up to 3 x I2C
PWM	Up to 4 x PWM
GPIO	Up to 40 x GPIO
Operating Temp.	-20° to +70° C or -40° to 85° C
Relative humidity	10% to 90%
Dimensions	55mm x 35mm
Weight	8 g
Connector	168 pins. 2 x 2 x 42 , pitch 1.27mm, Female
Power input	+5V
OS Support	Yocto Linux, Android 9

Ordering Information

NX8MM-D168-	4	2	C	S	E
					E: -20~70° C X: -40~85° C
					eMMC
					S: SLC
					M: MLC
					eMMC
					A : 4GB
					B : 8GB
					C : 16GB
					D : 32GB
					E : 64GB
					DRAM
					1 : 1GB
					2 : 2GB
					CPU
					4 : Quad Core
					2 : Dual Core

* 6-weeks carrier board design service is available.

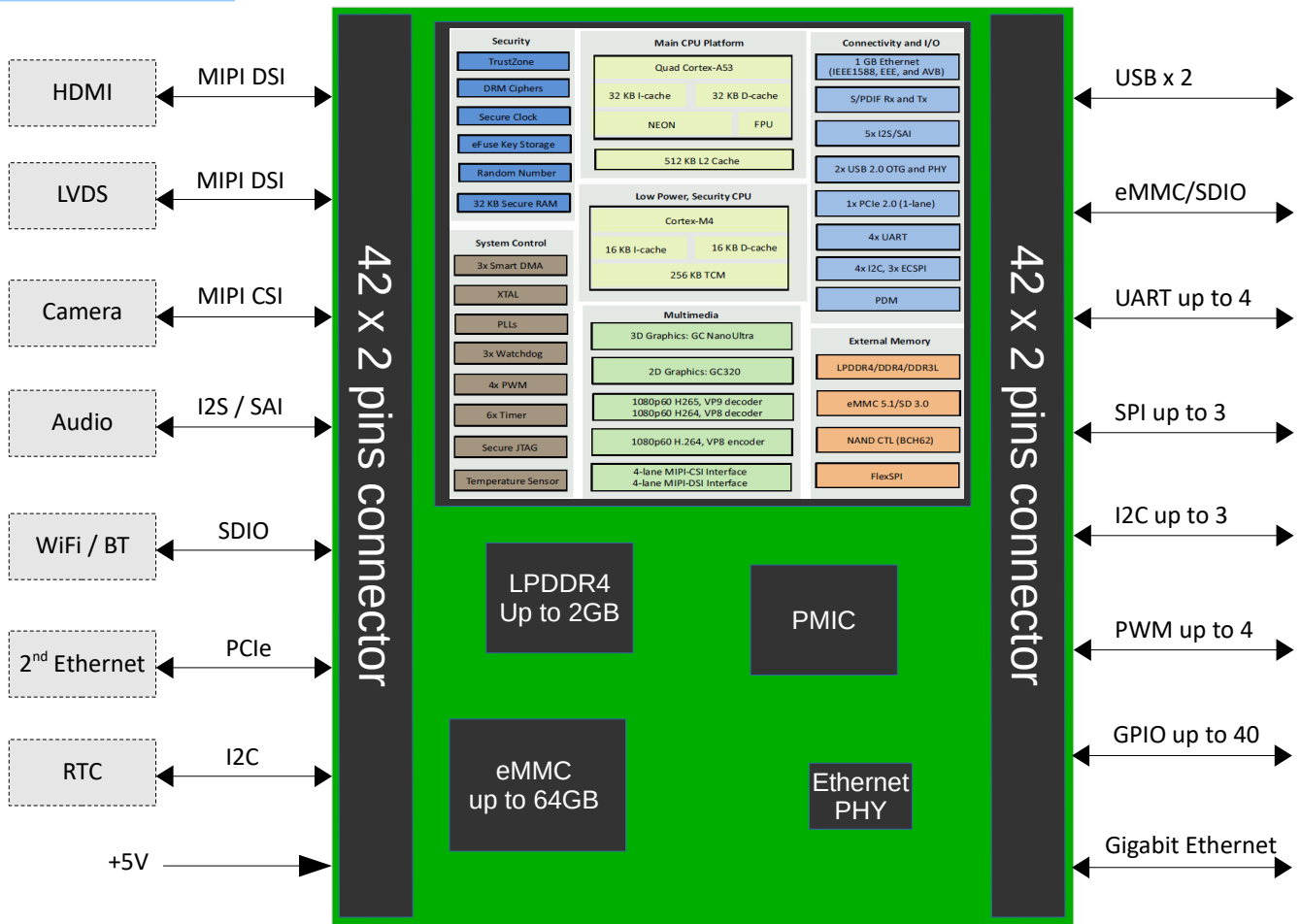
* Conformal coating and Underfill service is available.



Evaluation Kit : EBOX I.MX8M

NX8MM-D168

Block Diagram



Dimension

