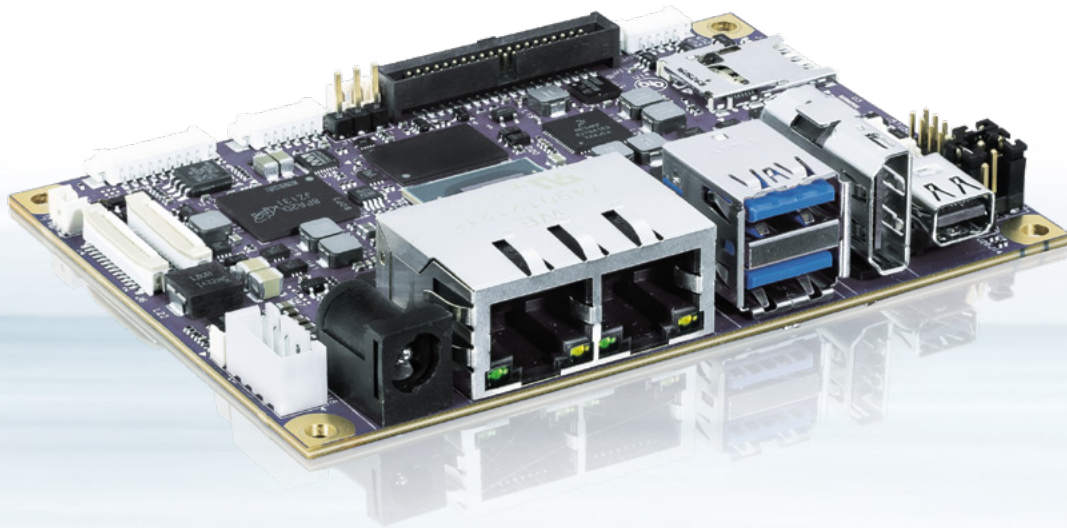


pITX-imx8m



Embedded pITX Single Board Computer with NXP Arm® Cortex® -A53 CPU

- ▶ 1x M.2 B-Key Half-size Connector with PCIe, USB 3.0 and micro SIM interface
- ▶ 1x Dual-Stacked USB 3.0 Rear Port
- ▶ 2x 10/100/1000 Gigabit Ethernet Rear Port
- ▶ Graphic interfaces 1x mini eDP, 1x Internal Dual Channel LVDS Header, 1x HDMI
- ▶ 12 V DC Power Supply

POSSIBILITIES START HERE

pITX-imx8m

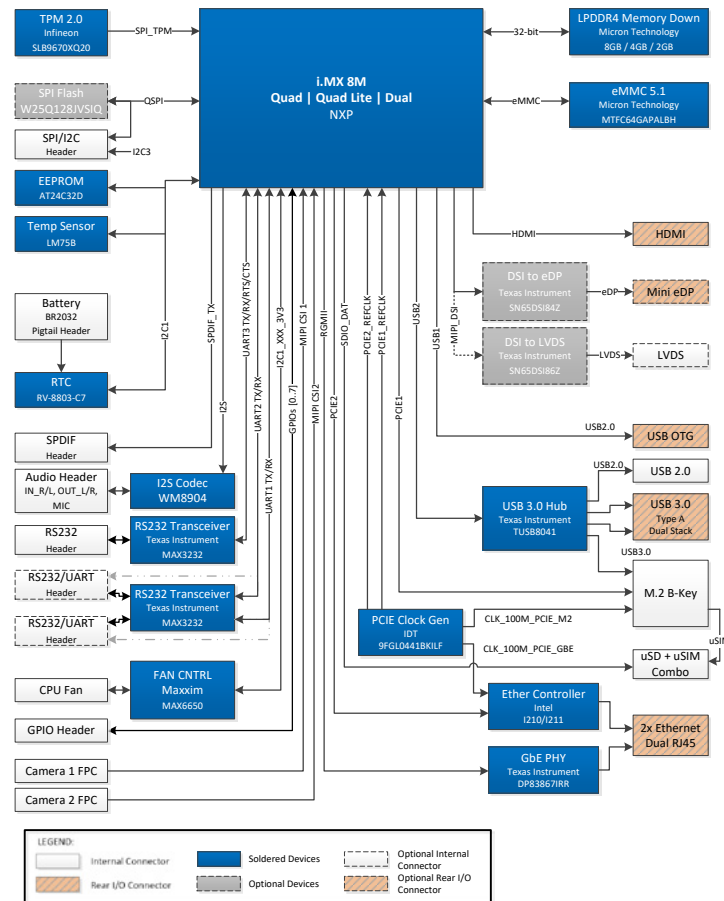
Single Board Computer

The pITX-imx8m is a board with embedded multi-core processor Arm® Cortex-A53. It combines a small form-factor with excellent graphic power. At least the connectivity is provided by two GBit interfaces.

► TECHNICAL INFORMATION

FORM FACTOR	pico ITX family with 100 mm x 72 mm x 1.6 mm (PCB)
PROCESSOR	NXP's processors - iMX8 M Quad 1.3 GHz (Industry) - iMX8 M Quad 1.5 GHz (Consumer) - iMX8 M Quad Lite 1.5 GHz (Consumer) - iMX8 M Dual 1.3 GHz (Industry) - iMX8 M Dual 1.5 GHz with Dolby Vision (Consumer)
SYSTEM MEMORY	Up to 8 GByte LPDDR4 3200 MTps Memory Down
STORAGE	Up to 128 GByte eMMC Memory v5.1 as MLC, or up to 64 GByte pseudoSLC, microSD Card
EEPROM	Atmel AT24C32 for board information
USB	2x USB 3.0 at rear I/O, 1x USB 2.0 internal, 1x USB OTG side I/O
ETHERNET	2x 10/100/1000 Gigabit Ethernet at rear I/O
LVDS	Dual Channel LVDS
SPI I ² C	Winbond W25Q128/Macronix MX25L128/Micron N25Q128 1x SPI/I ² C internal header, optional 16 MByte on-board SPI Flash
GPIO	8x GPIO internal header
AUDIO	1x SPDIF internal headers, 1x Line-In, Line-Out and Microphone-In internal header
POWER	12 V DC/1x Locking barrel-type DC Power Jack, 1x Internal 4-pin Power connector
SECURITY	TPM 2.0 Infineon SLB9670XQ2.0
EXPANSION SLOT	M.2 Key B size 2242 with PCIe, USB 3.0, USB 2.0, UIM (microSIM)

BLOCK DIAGRAM



ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
plTX-imx8m Quad Core Ind.	44011-0408-13-4	plTX-imx8m with NXP Arm® Cortex®-A53 Quad Core™ Industrial, 1300 Mhz, 4 GByte LPDDR4, 8 GByte eMMC (pSLC), Ind. Temp.
plTX-imx8m Quad Core Com.	44011-0416-15-4	plTX-imx8m with NXP Arm® Cortex®-A53 Quad Core Commercial, 1500 Mhz, 4 GByte LPDDR4, 16 GByte eMMC (MLC), Com. Temp.
plTX-imx8m Quad Lite Com.	44011-0416-15-4lit	plTX-imx8m with NXP Arm® Cortex®-A53 Quad Lite Commercial, 1500 Mhz, 4 GByte LPDDR4, 16 GByte eMMC (MLC), Com. Temp.
plTX-imx8m Dual Core Ind.	44011-0208-13-2	plTX-imx8m with NXP Arm® Cortex®-A53 Dual Core Industrial, 1300 Mhz, 2 GByte LPDDR4, 8 GByte eMMC (pSLC), Ind. Temp.
PITX-IMX8M DUAL CORE COM.	44011-0216-15-2	plTX-imx8m with NXP Arm® Cortex®-A53 Dual Core Commercial, 1500 Mhz, 2GByte, LPDDR4, 16 GByte eMMC (MLC), Dolby Feature, Ind. Temp.

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[44011-0208-13-2](#) [44011-0216-15-2](#) [44011-0408-13-4](#) [44011-0416-15-4](#) [44011-0416-15-4lit](#)