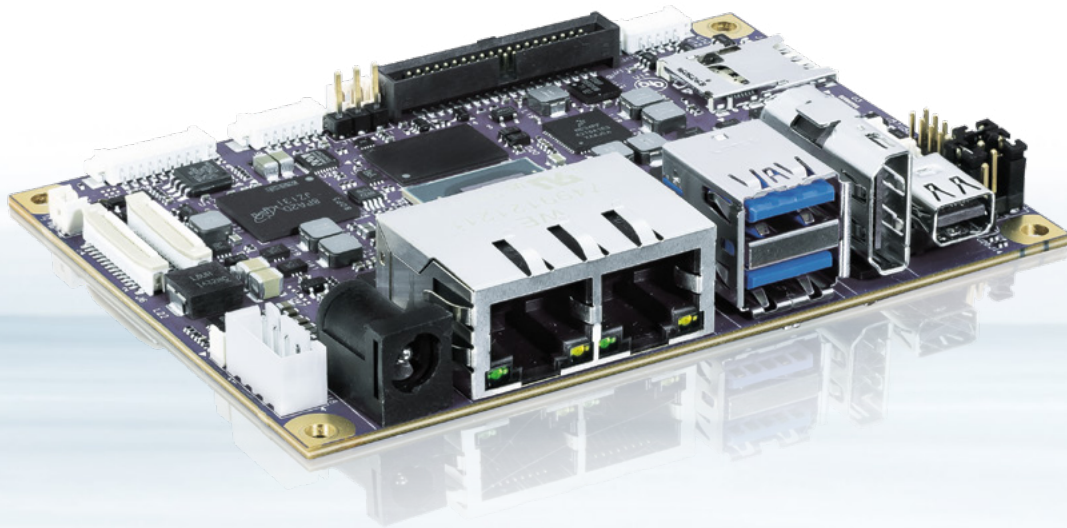


# pITX-imx8m

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## 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 graphic power. At least the connectivity is provided by two GBit Arm® Cortex-A53. It combines a small form-factor with excellent interfaces.

### ▶ TECHNICAL INFORMATION

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