

# Qseven-Q7AMX8X

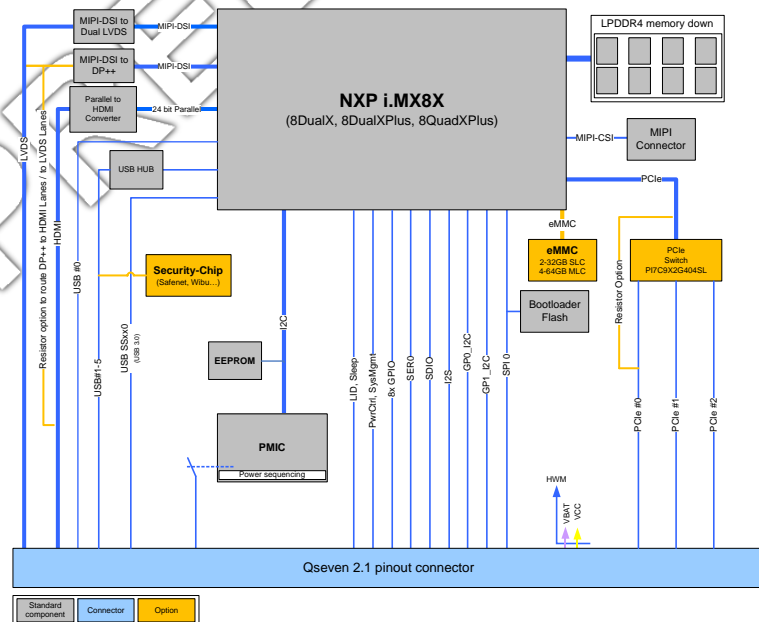


## QSEVEN MODULE WITH LOW POWER i.MX8X SERIES PROCESSOR

- ▶ Up to 4x 1.5GHz Cortex<sup>®</sup> A35 + 266 MHz M4F processor
- ▶ Up to 3 GByte RAM
- ▶ Dual display support
- ▶ Up to 3x PCIe, 5x USB2.0 (1x OTG), 1x USB3.0
- ▶ Support of Kontron's Embedded Security Solution (Approtect)

## TECHNICAL INFORMATION

COMPLIANCE	Qseven Specifications 2.1
DIMENSIONS (H X W X D)	Standard Size, 70 x 70 mm
CPU	Qualcom® / NXP i.MX8DualX / 8DualXPlus / 8QuadXPlus
MAIN MEMORY	Up to 3 GByte LPDDR4
ETHERNET	1x 10 / 100 / 1000 MBit Ethernet
STORAGE	1x SDIO
FLASH ONBOARD	2 - 64GB eMMC 5.0
PCI EXPRESS® SUPPORT	Up to 3 x PCIe 2.0 on selected SKU's
PANEL SIGNAL	1x HDMI (On request DP), 1 x LVDS dual channel (On request, SKU's with HDMI can have LVDS changed to DP)
USB	Up to 5 x USB 2.0, 1x USB2.0 OTG, 1xUSB3.0
SERIAL	1 x Serial Interface (RX, TX, RTS, CTS)
OTHERS	1x I2S, 1x I2C, 1x SPI, Camera Interface (2x MIPI CSI), 8x GPIO [0:7], 1 x CAN
SPECIAL FEATURES	Security Chip (Support of Kontron Approtect) on request
FEATURE ON REQUEST	3x PCIe instead of 1x PCIe, DP instead of HDMI as Primary Display, DP instead of LVDS as secondary display
BOOTLOADER	Uboot
OPERATING SYSTEM	Yocto Linux
POWER SUPPLY	3 V - 5.25 V operates directly from single level Lithium Ion cells or fixed 3.3 V - 5 V power supplies
TEMPERATURE	Operating: Industrial Grade -40 °C to +85 °C Non-Operating: -40 °C to +85 °C
HUMIDITY	93% relative Humidity at 40 °C, non-condensing (according to IEC 60068-2-78)



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