

Qseven-Q7AMX7

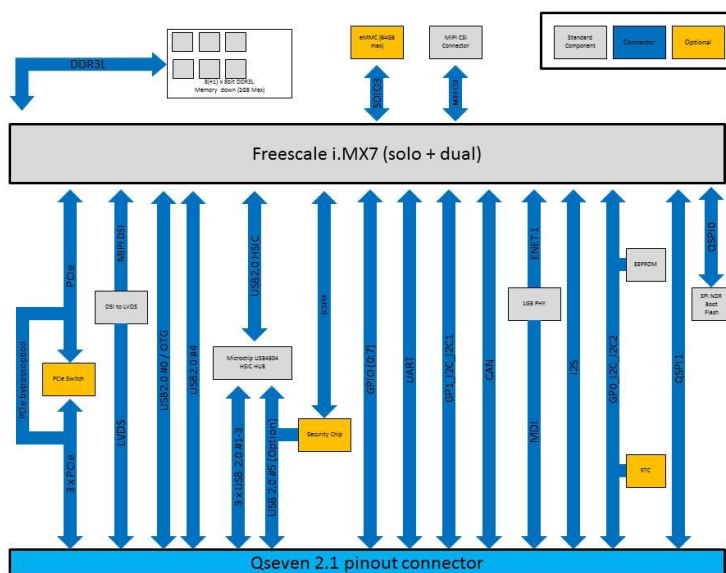


QSEVEN MODULE WITH EXTREME LOW POWER i.MX7 SERIES PROCESSOR

- ▶ Up to 2x 1GHz Cortex[®] A7 + 200 MHz M4 processor
- ▶ Up to 2 GByte RAM
- ▶ Dual channel LVDS interface
- ▶ Up to 3x PCIe, 4x USB2.0
- ▶ 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 Single / Dual i.MX7 Processor
MAIN MEMORY	Up to 2 GByte DDR3
ETHERNET	1x 10 / 100 / 1000 Mbit Ethernet
STORAGE	1x SDIO
FLASH ONBOARD	2 - 64GB eMMC 5.0
PCI EXPRESS® SUPPORT	3 x PCIe 2.0 PCIe with Dual Core Processor
PANEL SIGNAL	1 x LVDS dual channel
USB	Up to 5 x USB 2.0, 1x USB2.0 OTG
SERIAL	1 x Serial Interface (RX, TX, RTS, CTS)
OTHERS	HD Audio and 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	1x PCIe instead of 3x PCIe for Dual SKU
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: Extended Consumer -20 °C to +85 °C Non-Operating: -30 °C to +85 °C
HUMIDITY	93% relative Humidity at 40 °C, non-condensing (according to IEC 60068-2-78)



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