

μQseven Rel. 2.0 Compliant Module with Freescale™ i.MX6 Processor

DESCRIPTION

μQ7-i.MX6 is a μQseven Rel. 2.0 Compliant Module designed by SECO that offers top computational and graphical performances given by low-power consuming ARM architecture.

The board integrates i.MX6 Multimedia Applications platform from Freescale™, a multimedia processor integrating a multicore Cortex™ A9 ARM Core (up to Quad Core processors), ideal for applications requiring multimedia capabilities and/or high levels of parallel computing.

All this comes in the brand new form factor, μQseven, just 40x70mm, introduced with the latest Qseven® specifications Rel. 2.0.

TECHNICAL SPECIFICATIONS

Processor	Freescale™ i.MX6 Family, based on ARM Cortex-A9 processors: Single core (i.MX6S) up to 1GHz Dual Core (i.MX6D), Dual Core Lite (i.MX6DL) up to 1.2GHz Quad Core (i.MX6Q) up to 1.2GHz clock
Memory	up to 2GB DDR3 onboard (up to 1GB with i.MX6S)
Graphics	Integrated graphics, each processor provides up to 3 separated accelerators for 2D, OpenGL® ES2.0 3D and OpenVG™ (OpenVG™ accelerator only available with i.MX6D and with i.MX6Q) Supports up to 4 independent displays (only up to 2 displays with i.MX6DL and i.MX6S) HDMI interface 1 x Dual Channel or 2 x Single Channel 18/24 bit LVDS interface
Resolution	LVDS, up to 1920x1200 HDMI, up to 1080p
Mass Storage	1 x SATA interface (only with i.MX6D and i.MX6Q) eMMC soldered onboard MMC/SD/SDIO interface
PCI-Express	1 x PCI-Express x1 lane
USB	1x USB OTG 4x USB 2.0 Host
Ethernet	Gigabit Ethernet interface
Audio	I2S / AC'97 Audio Interface
Serial ports	2 x serial ports CAN Bus interface
Interfaces	SM Bus SPI I²C bus 8x GPIO/S
Embedded additional RTC circuitry for lowest power consumption	
Dimensions	40x70 mm (μQseven, 1.57" x 2.76")

ACCESSORIES

Heat Spreader and heat sink kits available on request.

ORDERING INFORMATION

Please Contact SECO for Ordering Information

