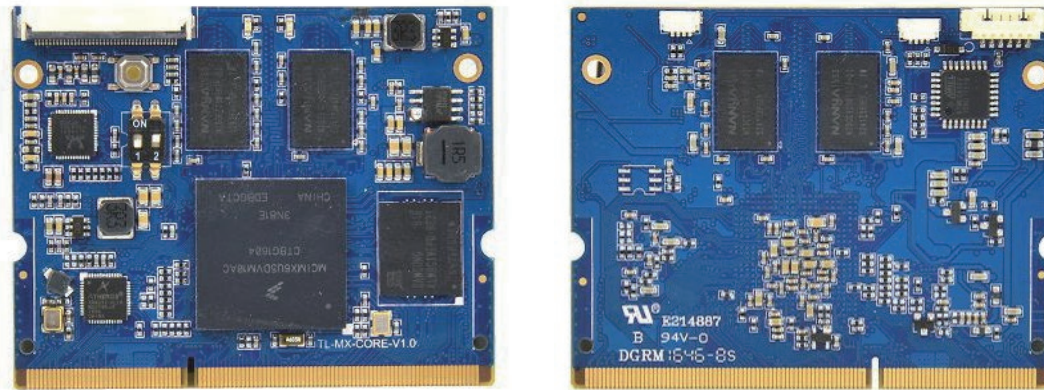




System on Module based on Freescale i.MX6 Series



Description:

Supporting the Freescale i.MX6 1.2 GHz quad/dual/dual Lite/single core Cortex-A9™ processor, the impressive scalability of the EMB-NMX6XX-C00 satisfies the needs of the most demanding future application requirements. This high performance System on Module, allows customers to create optimized products for target markets without the need for lengthy and costly re-design cycles. The four CPU assembly options can accommodate broader connectivity, faster processing power, enhanced algorithms or improved graphics and video performance.

Specification:

CPU	Freescale i.MX6 series SoC (Single/Dual/Dual Lite Quad ARM® Cortex™-A9 Core, 1.2 GHz)
RAM	1GB DDR3 RAM(up to 4GB DDR3)
Storage	8GB eMMC(up to 64GB eMMC)
Display	2 x LVDS, 1 x HDMI V1.4, 1 x MIPI DSI, 1 x VGA
Network	1 x Atheros AR8033 Gigabit Ethernet, certified WLAN (802) BT-BLE with optional MIMO
Other Interfaces	1 x RS-232 COM, 1 x RS-485, 1 x SATA, 1 x Mini PCIe, 5 x USB 2.0 host, 1 x OTG, 1 x SD/MMC, 4 Serial interfaces (SPI , I2C, UART, I2S)
Temperature	Commercial: 0°C~60°C Extended: -20°C~70°C Industrial: -40°C~85°C
Relative Humidity	10 to 90 %
MTBF	>100 000 Hours
Shock	15G half-sine 11 ms duration
Vibration	1 Grms random 5-500Hz hr/axis
Dimensions	67.6 x 53.6 x 1mm
Weight	20 grams

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

