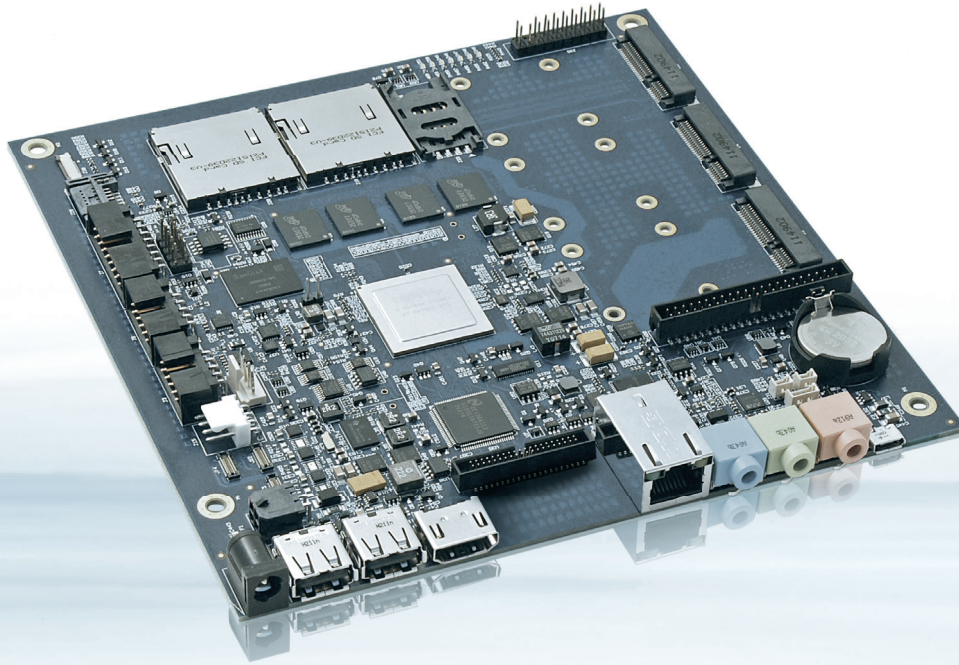


KTT30/mITX



MINI-ITX MOTHERBOARD WITH NVIDIA TEGRA 3 PROCESSOR

- ▶ ARM Cortex-A9 Quad Core 900 MHz processor with NEON technology
- ▶ GeForce GPU with enhanced 3D capabilities
- ▶ up to 2 GByte DDR3L memory down
- ▶ HDMI, 24-bit LVDS & SDI graphics output
- ▶ power consumption < 7 Watt for full board

KTT30/mITX

MINI-ITX MOTHERBOARD WITH NVIDIA TEGRA 3 PROCESSOR

Typical Applications

- ▶ Digital Signage
- ▶ Medical
- ▶ Instrumentation

▶ TECHNICAL INFORMATION

PROCESSOR	Cortex-A9 Quad Core™ (with NEON Technology) multiprocessing ARM up to 1.3 GHz core frequency
CHIPSET	Integrated
DRAM	Up to 2 GByte DDR3L memory down
GRAPHICS	Ultra low power NVIDIA GeForce GPU with enhanced 3D capabilities 1080p H264 MPEG-4 encoding/decoding Video Processor HDMI 1.4a (up to 1920x1080 pixel), 24 bit LVDS (up to 2048x1536 pixel @ 18bpp) and DSI (up to 1440x900 @ 18bpp), support for 2 independent displays
I/Os	USB, RS232, CSI/DSI/12-bit par. Camera input, Bootable eMMC 1x mPCIe, 1x mPCIe/mSATA, 1x mPCIe for 3G (onboard SIM socket) 2x SD card
TARGET POWER CONSUMPTION	< 7 W, full board
USB	3x USB 2.0 (2x Type A and 1x Micro (supports also one port USB client mode))
SERIAL PORT	2x RS232 (1x 8wire RS232 port and 1x port which can be used either as cc-talk or 4wire RS232)
ETHERNET	1x 10/100/1000 Ethernet Controller
MASS STORAGE	2x SD Card, 1x eMMC (Bootable), 1x SATA 2.0
SOUND	Line in/out/mic, S/PDIF in/out (electrical)
OPERATING TEMPERATURE	0 °C to 60 °C
POWER SUPPLY	Single 5 V Power Supply (internal & external connector)
DIMENSIONS	170 x 170 mm
ADDITIONAL	System fan connector (5 V), Touch screen connector, Feature connector - 18x GPIOs, case open, external RTC battery, power state indicators, 3 MIPI connectors (1x DSI, 1x CSI, 1x either DSI or CSI)

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
KTT30/mITX	810500-4500	KTT30/mITX Motherboard with NVIDIA Tegra 3 Processor

▶ CORPORATE OFFICES

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