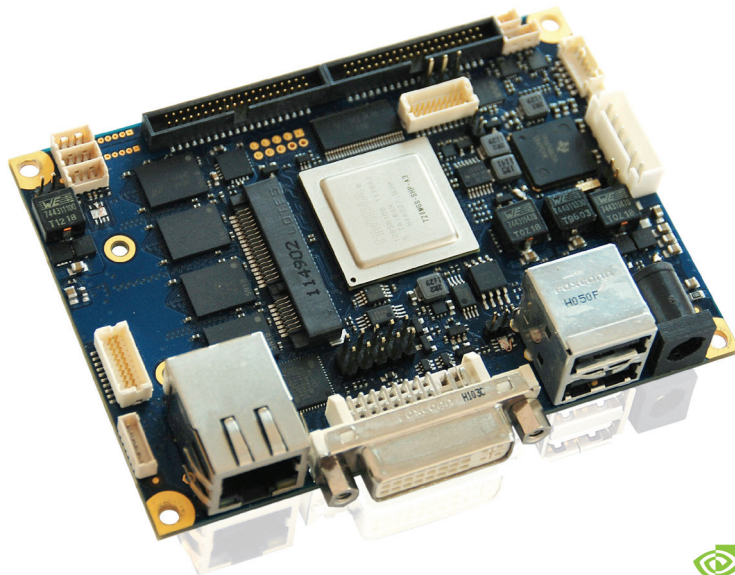


» KTT20/pITX «



 POWERED BY
NVIDIA TEGRA

2.5" ARM-Motherboard KTT20/pITX

- » NVIDIA Tegra 2 DC Processor
- » Ultra Low Power Consumption <5 W full board
- » High Dual Core Performance
- » Outstanding Graphics Performance incl Full HD Video
- » Standard I/Os as DVI-I, USB, Ethernet, RS232
- » Mini PCIexpress
- » Battery charger module for 2/3 cell LI-ON packs (Optional)
- » Flexible power input, 5 to 15VDC (Optional)

KTT20/pITX

With its standard-based form factor and readily available environment of housings and cooling solutions, the new Kontron Pico-ITX™ embedded motherboard KTT20/pITX is the fastest route for OEMs to take to bring ARM technology into their designs. With a maximum power consumption of only 3 watts, the new embedded motherboard enables fanless designs with an unprecedented performance per watt ratio and rich graphics capabilities for cost-sensitive SFF applications. And with Kontron's comprehensive software support, including board support packages for all relevant OS, OEMs can create new applications or scale their applications

across all processor platforms with minimal efforts. Especially graphics-intensive applications that have to provide a rich user experience for internet, multimedia content delivery and sophisticated human machine interfaces benefit from the long-term availability of the Kontron KTT20/pITX. Target applications include, for example, set-top boxes for hotels, compact in- and outdoor digital signage players for stationary or in-vehicle use, POS/POI systems and mobile medical monitors / medical carts plus compact Panel-PCs and thin clients.

Technical Information	
CPU	900Mhz Dual Core ARM Cortex-A9 CPU
Chipset	Integrated
DRAM	Onboard 32bit DDR-2 (512MB or 1GB)
Audio	Audio, 2 channel line in, line out, MIC, speaker amp out
USB	5x USB 2.0
Serial Ports	3x RS232
Ethernet	1x 10/100 Mbit
I/O Features	Up to 42 configurable GPIOs
Graphics Controller	Ultra low power GeForce GPU with enhanced 3D capabilities
Graphics	Output resolution LCD up to WSXGA+ (1680x1050), DVI-D up to 1080p
Dimensions (H x W x D)	100 x 72mm (Pico-ITX)
Special Features	1x microSD socket, lockable DC Power Connector, miniPCIe slot, Battery charger module for 3cell LI-ION battery packs on request or optional; Backlight output selectable 5V or up to 15V external bypass
Temperature/Humidity	Operating 0°C - 60°C (32°F ~140°F) Storage: tbd
Power Consumption (typ.)	3 W typical
Storage	mSD-Card-Slot, NAND Flash

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