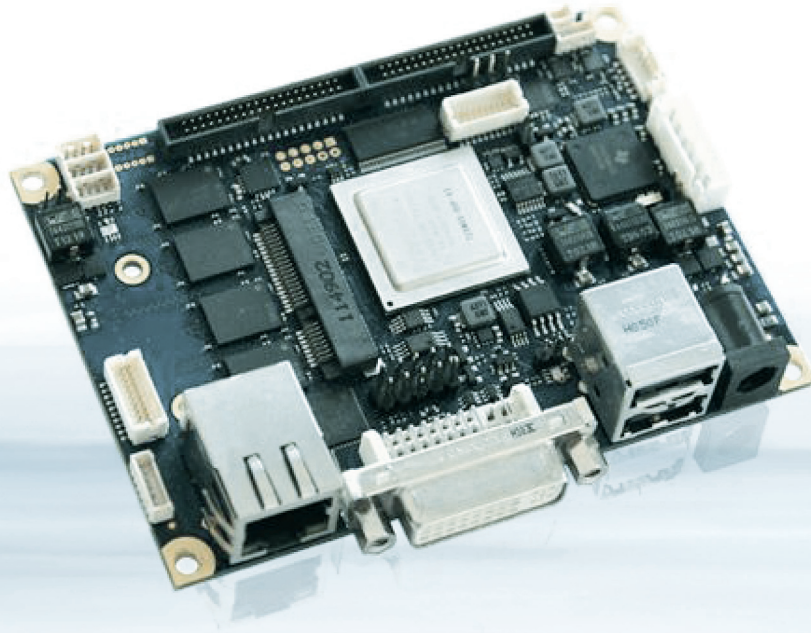


KTT20/pITX



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

POSSIBILITIES START HERE



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 appli-

cations 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	900 MHz Dual Core ARM Cortex-A9 CPU
CHIPSET	Integrated
DRAM	Onboard 32bit DDR-2 (512 MByte or 1 GByte)
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 5 V or up to 15 V 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

▶ CORPORATE OFFICES

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