

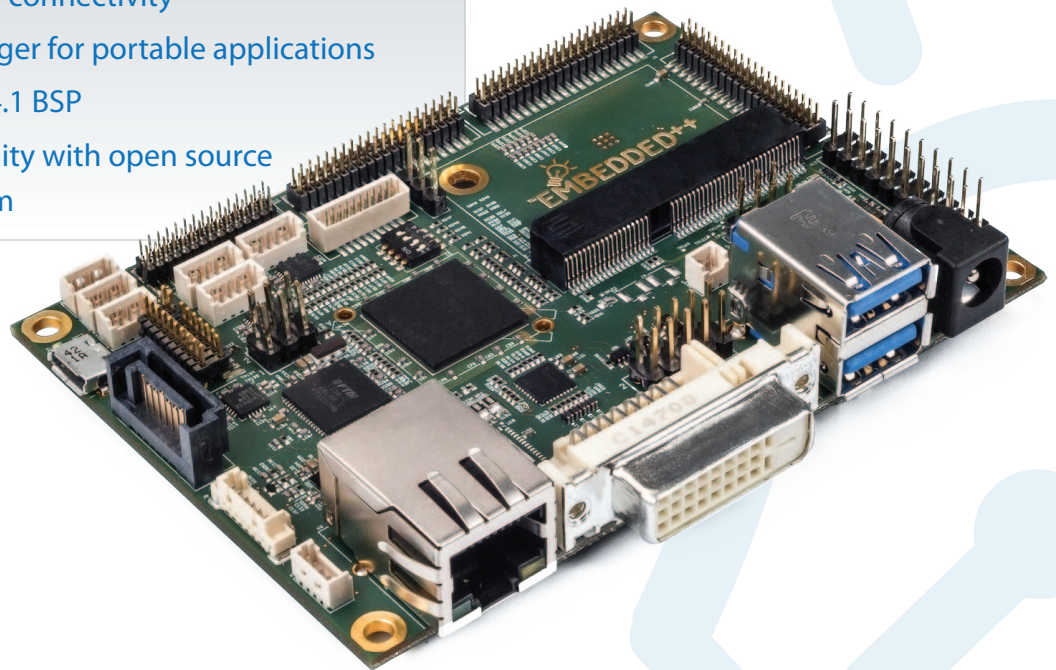


EPP-Pico-OMAP5430

Who says that great things don't come in small packages?

Pico-ITX solution based on **OMAP™ 5 platform** from Texas Instruments Incorporated (TI)

- High-performance, dual-core ARM® Cortex™-A15 foundation
- Compact form factor: 100 x 72 mm
- Low power consumption
- Multi-channel HD video processing
- Wireless connectivity (Wi-Fi, GNSS, Bluetooth®, Bluetooth v4.0 and FM technologies)
- USB 3.0 SuperSpeed connectivity
- Built-in battery charger for portable applications
- Linux and Android 4.1 BSP
- Software compatibility with open source PandaBoard platform



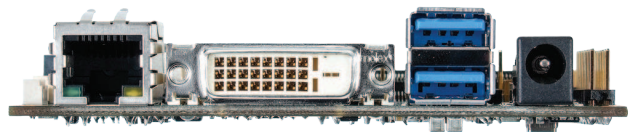
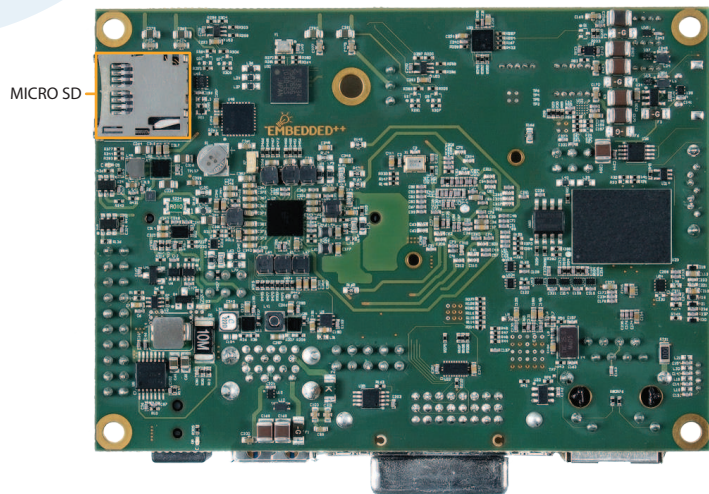
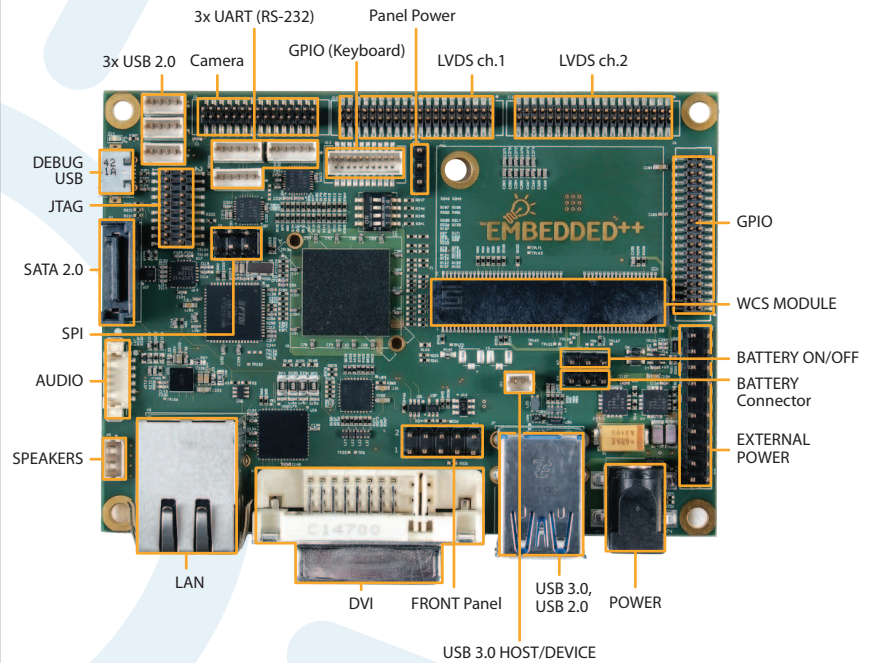
With its compact form factor, high performance per watt and extensive set of software features, the new EPP-Pico-OMAP5430 single board computer perfectly suits ultra small and ultra mobile implementations. Target applications include intelligent camera applications, set-top boxes, digital signage, mobile HMIs (instrumentation, ticketing, etc.), kiosks (POS/POI), gaming, gesture control, etc.

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Specification

Processor	Texas Instruments OMAP5430 Processor, dual core ARM Cortex-A15, up to 2 GHz
DSP subsystem	TMS320DM64 32-bit fixed DSP core (backward compatible with existing C64x video codecs)
Memory	LPDDR2 1066 memory, 2 GB
Graphics	IVA-HD Subsystem (MPEG4/H264 1080p60, MPEG2 1080p60, JPEG up to 96 MP/s, Stereoscopic video) Image Processing Unit (Two Cortex-M4 CPUs) Imaging Subsystem 3D GPU (two SGX544 cores, DirectX 9, OpenGL-ES 1.1 and 2.0, OpenVG 1.1, OpenCL 1.1) Face Detect Module
Display	LVDS, Dual Channel 24-bit up to 1600 x 900, 18-bit up to 1920 x 1080 DVI, up to 1080p60
Ethernet	10/100 Mbps
Audio	1 x Audio connector (Stereo Line-In/Line-Out, Mic-In) 1 x Speakers connector (Stereo 8Ω/4Ω, 1.5W per Channel) 1 x S/PDIF Output
Mass Storage	eMMC, up to 16GB 1 x SATA 2.0 connector
SD/MMC storage	1 x microSD cardsocket
USB	1 x USB 3.0 host/device Up to 4 x USB 2.0 1 x debug micro USB
RS-232	Up to 3 x RS-232
SPI	1 x SPI master port (2 x CS)
GPIO	1 x keyboard connector (9 x Row, 9 x Column) 1 x GPIO connector (24 GPIOs)
Camera port	1 x CSI-2, 4 Lane connector (PandaBoard compatible)
Wireless connectivity	1 x COMx Module connector (WiLink7/8) Available technologies depend on chosen card (Wi-Fi, GNSS, Bluetooth, Bluetooth 4.0 and FM)
Battery charger	1-cell Li-Ion battery charger
Other features	Real time clock with backup battery Temperature sensor on I2C controller On board status LEDs System buttons General purpose I2C
Power	Input range 4.5-18 V DC voltage Backlight voltage input
Operating System	Android 4.1 (Linux Kernel 3.4) Ubuntu 12.04 (Linux Kernel 3.4)
Temperature	Operating: 0°C - 60°C (32° F ~ 140°F)
Mechanical Characteristics	Form factor: 100 x 72mm (Pico-ITX) Total height: 19.48mm



Accessories

Heat spreader for EPP-Pico-OMAP5430

Power supply 5V DC

SD card with OS

