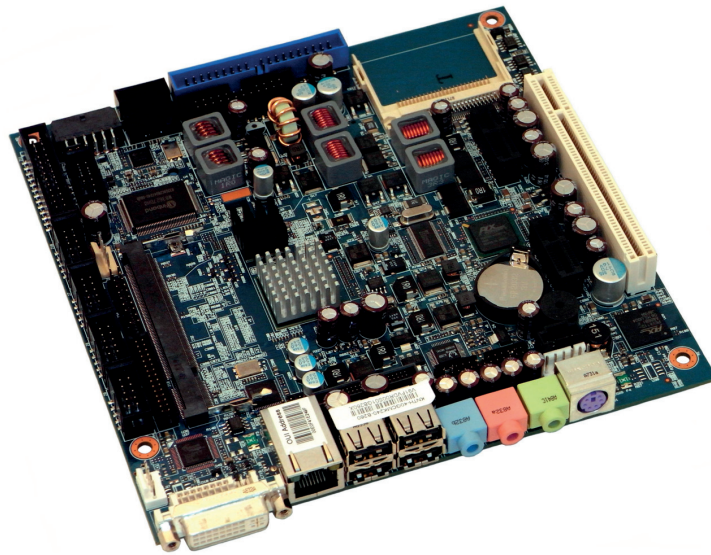


# » KTUS15/mITX «



## Intel® US15 Embedded Chipset, Intel® Atom™ processor 1.1 and 1.6 GHz BGA CPU, Passive Cooling

- » Long-term availability & Ultra Low Power, only 2.3 W TDP
- » 2x PCI-Express + 2x SDIO, CF, 1x PCI slot optional
- » Flat Panel Display Support, incl. dual independent display
- » 1x 10/100/1000 Mbps Ethernet Intel® based
- » HD Audio, 8x USB2.0 and up to 4x Serial port
- » Wide range DC/DC Power Input

## KTUS15/mITX

Intel® US15 Embedded Chipset, Intel® Atom™ processor 1.1 and 1.6 GHz BGA CPU, Passive Cooling

Technical Information	
<b>Processor</b>	Intel® Atom™ BGA CPU 1,1 GHz (Z510) and 1,6 GHz (Z530)
<b>Chipset</b>	Intel® US15 Embedded Chipset Front Side Bus 400/533 MHz
<b>Bus</b>	1x PCI connector (Both 1,6 GHz versions and 1.1 std. version) 2x PCI Express 1x
<b>DRAM</b>	1x DDR2 socket (200pins SO-DIMM) up to 2 GByte
<b>Graphics</b>	Intel® GMA 500 Controller with 2D/3D Graphics Engine Dual Pipe for dual independent displays (incl. 2x LCD) HW assisted DVD/MPEG2 Decoding
<b>Graphic Interfaces</b>	On board CRT, on board Single Channel LVDS, DVI (Optional), Resolution Up to: CRT 1280x1024, LVDS 1366x768
<b>HDD</b>	1x ATA100 (2.54 mm connector) and 2x Serial ATA150/300 (Optional)
<b>Compact Flash</b>	Compact Flash PATA
<b>Parallel/Serial Port</b>	Bi-directional Centronics (internal pin connector), Up to 4x RS232C serial ports (See ordering informations)
<b>TPM</b>	TPM (Trusted Platform Module) available on 1.6 Plus, available on other models via module
<b>USB</b>	8x USB 2.0 (4x internal and 4x external)
<b>Ethernet</b>	1x 10/100/1000 Bbps Ethernet Controller
<b>Keyboard/Mouse</b>	Standard PS/2 mouse and keyboard (Split cable)
<b>Sound</b>	HD Audio and AC97 compliant
<b>Monitoring API/DMI</b>	Software interface to monitor hardware values including HDD S.M.A.R.T.
<b>Operating Temp.</b>	0°C to 60°C*
<b>Safety compliance</b>	UL609501-1:2003, First edition CSA C22.2 No. 60950-1-03, First edition, April 1. 2003
<b>Environmental compliance</b>	RoHS and Lead-free production
<b>Dimensions</b>	Mini-ITX, 170 x 170 mm (6.7" x 6.7")
<b>Power Supply</b>	Wide Range 5-25V
<b>Introduction Date</b>	March 2009

Ordering Information		
Article	Part No.	Description
<b>KTUS15/mITX 1.1GHz Basic</b>	810291-4500	Intel® Atom™ BGA CPU 1,1 GHz (no HT), 1x Gb LAN, no PCI, no SATA, no TPM, 2x COM, DVI
<b>KTUS15/mITX 1.1GHz Std</b>	810293-4500	Intel® Atom™ BGA CPU 1,1 GHz (no HT), 1x Gb LAN, PCI, SATA, no TPM, 4x COM, CRT
<b>KTUS15/mITX 1.6GHz Std</b>	810290-4500	Intel® Atom™ BGA CPU 1,6 GHz (HT), w. PCI, 1x Gb LAN, 2x COM, SATA, no TPM, CRT
<b>KTUS15/mITX 1.6GHz Plus</b>	810292-4500	Intel® Atom™ BGA CPU 1,6 GHz (HT), PCI, 1x Gb LAN, 4x COM, SATA, TPM, DVI

## CORPORATE OFFICES

**Europe, Middle East & Africa**

Lise-Meitner-Str. 3-5  
86156 Augsburg  
Germany

Tel.: +49 (0) 821 4086-0  
Fax: +49 (0) 821 4086 111  
sales@kontron.com

**North America**

14118 Stowe Drive  
Poway, CA 92064-7147  
USA

Tel.: +1 888 294 4558  
Fax: +1 858 677 0898  
info@us.kontron.com

**Asia Pacific**

17 Building,Block #1, ABP.  
188 Southern West 4th Ring Road  
Beijing 100070, P.R.China

Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn