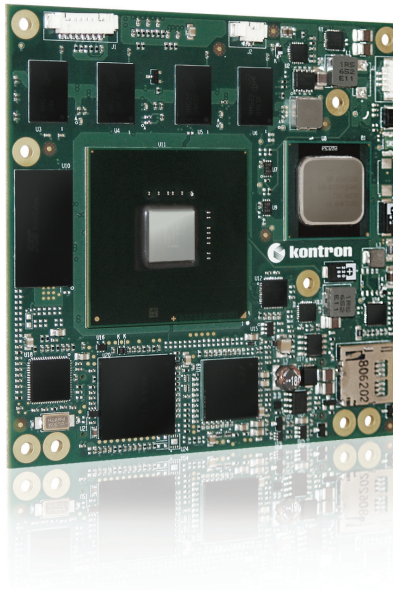


## » COMe-cXLi2 «



## Intel® Atom™ for extreme environments

- » Intel® Atom™ Z520PT and US15WPT System Controller Hub
- » COM Express® compact, Pin-out Type 2
- » Designed for -40°C to +85°C operation
- » Onboard system memory and SSD (option) for extreme reliability

The Kontron COMe-cXLi2, a COM Express® compact pin-out type 2 module, is truly designed for use in extreme conditions. Each component is selected with the industrial temperature range of -40°C to +85°C in mind as well as the necessary tolerances for high reliability with respect to shock and vibration resistance. The SDVO pin-out delivers additional video signals for DVI monitor outputs, SDTV and HDTV television outputs and TV tuner inputs

that greatly simplify system graphics design. This special feature makes this 95 x 95 mm Computer-on-Module ideal for small mobile and extremely energy-efficient devices including those used in government/military and transportation applications. Kontron's COM Express® compact modules are interchangeable with COM Express® basic modules (125x95mm). Both facts ensure design scalability and future migration paths.

### Technical Information

<b>Processor</b>	Intel® Atom™ processor Z520PT (1.33GHz), 45 nm technology, 22 x 22 mm package
<b>Cache</b>	512KB L2
<b>Chipset</b>	Intel® US15WPT System Controller Hub, 533MHz FSB, 37.5 x 37.5 mm package
<b>BIOS</b>	AMI Core 8
<b>Memory</b>	On-board DDR2 industrial temperature range (up to 2GB) Implemented as 8 chips configuration (64M x 16)
<b>Hard Disk</b>	1x SATA, 1x PATA, (Optional on-board industrial temperature range SSD)
<b>USB</b>	8x USB 2.0
<b>PCI</b>	32 bit / 33 MHz, On-board PCIe to PCI bridge
<b>PCI Express</b>	2x PCI Express x1 lanes (only available with no LAN or PCI implemented)
<b>Ethernet</b>	10/100/1000 MBit Ethernet, Intel® 82574 for Industrial Temperature
<b>Sound</b>	Intel® HD Audio
<b>Video Controller</b>	Single channel 24 bit LVDS, Single SDVO channel, No VGA support
<b>Form Factor</b>	COM Express® compact: 95 x 95mm Pin-out Type 2
<b>Operating Systems</b>	Windows® XP, Windows® XP Embedded, Windows® CE, QNX, VxWORKS, Linux and others
<b>Security Features</b>	Optional TPM
<b>Power Consumption</b>	< 8 W (estimate) 4.75V - 18V Wide Range Power Supply Optional 5V Standby Power
<b>Temperature</b>	Operating: -40°C to +85°C, Storage: -40°C to +85° C
<b>Humidity</b>	Operation: 10% to 90%, Storage: 5% to 95% (non-condensing)
<b>Shock and Vibration</b>	IEC 60068-2-27 and IEC 60068-2-6

### Ordering Information

Article	Part No.	Description
<b>COMe-cXLi2</b>	36006-1000-13-1	COMe-cXLi2 Z520PT (1.33GHz) 1GB DDR2 SDRAM
<b>COMe-cXLi2</b>	36006-1040-13-1	COMe-cXLi2 Z520PT (1.33 GHz) 1 GB DDR2 SDRAM, 4 GB Flash
<b>COMe-cXLi2</b>	36006-2000-13-1	COMe-cXLi2 Z520PT (1.33GHz) 2GB DDR2 SDRAM
<b>HSP-COMe-cXLi2 threaded</b>	36006-0000-99-0	Heatspreader for COMe-cXLi2, threaded stand-off
<b>HSK-COMe-cXLi2 w/o Fan</b>	36006-0000-99-0C02	Passive Heatsink for COMe-cXLi2 without fan

### CORPORATE OFFICES

#### Europe, Middle East & Africa

Oskar-von-Miller-Str. 1  
85386 Eching / Munich  
Germany  
Tel.: +49 (0) 8165 / 77 777  
Fax: +49 (0) 8165 / 77 219  
info@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

