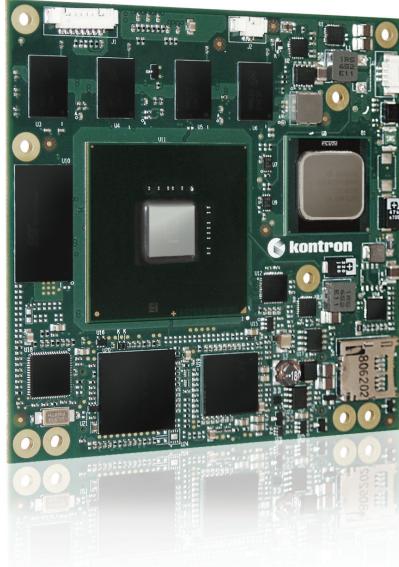




kontron

» COMe-cXLi2 «



COM  **Express**[®]  **cRIO**[®] **US**

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 interchangeability with COM Express® basic modules (125x95mm). Both facts ensures design scalability and future migration paths.

Technical Information

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

Ordering Information

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

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