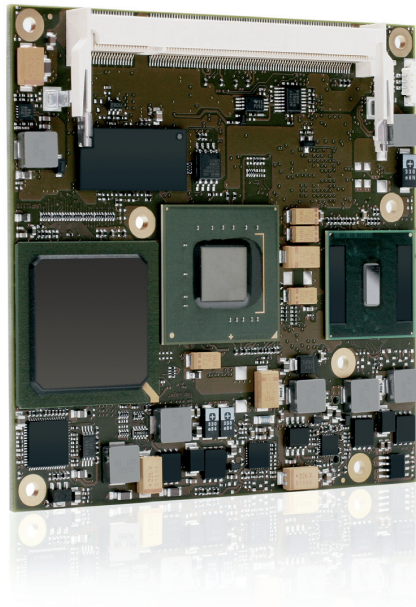


» COMe-cDC2 «



COM 
Express®



C  **US**

Small economic Intel® Atom™ solution

- » Intel® Atom™ N270 processor in 45 nm with Hyperthreading
- » COM Express® compact (95x95mm), with Pin-out Type 2
- » Fanless use and Economic Power Off S5 Eco
- » Replacement for ETXexpress®-PM and microETXexpress®-PM

COMe-cDC2

Small economic Intel® Atom™ solution

Equipped with Intel® Atom™ technology N270, the COMe-cDC2 is not only a cost-efficient solution but also energy-saving. With the innovative power state S5 Eco, the module has a soft-off power mode with a consumption of

less than 1 mA. Compared to the regular S5, the power consumption is cut down by factor 200 at least.

Technical Information	
Processor	Intel® Atom™ N270 with 1.6 GHz
Cache	512 kB L2 Cache
Chipset	Intel® 945GSE, Intel® ICH7M
Memory	Up to 2 GB DDR2 (400/533) SODIMM
Hard Disk	2x SerialATA (AHCI), 1x PATA, optional SSD flash onboard
USB	8x USB 2.0
PCI	PCI 2.3, 32 bit / 33 MHz
PCI Express®	3 PCI Express® x1
Ethernet	10/100/1000 MBit Ethernet, Intel® 82574L
Sound	Intel® High Definition Audio, AC97
Graphics Controller	Integrated with Intel® Graphics Media Accelerator (GMA950, DirectX® 9, PS 2.0) Up to 224 MByte DVMT 3.0, Dual Independent Display support
Display Interfaces	Dual Channel LVDS 18 bit LVDS up to UXGA (1600 x 1200), CRT up to QXGA (2048x1536), SDVO, TVout
Operating Systems	Windows Vista®, Windows® XP, Windows® XP Embedded, Windows® CE, Linux, QNX, VxWorks and others
Security Features	TPM 1.2 onboard
Other Features	ACPI with S5 Eco, K-station and JIDA support, WakeOnLAN, Staged Watchdog, RTC, LPC, JRC support, Fast I²C, SMBus
Form Factor	COM Express® compact: 95 x 95mm Pin-out Type 2
Power Consumption	Typ. Idle ~ 8 W, Economic Power-Off S5 Eco < 1 mA 8.5 V – 18 V Wide Range Power Supply
Temperature (*)	Operation: 0°C to 60°C Storage: -30°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-cDC2	36005-0000-16-2	COM Express® compact pin-out type 2 Computer-on-Module with Intel® Atom™ N270 1.60GHz, 945GSE chipset, ICH7M, 1x DDR2 SODIMM socket
HSP-COMe-cDC2 threaded	36005-0000-99-0	Heatspreader for COMe-cDC2, threaded mounting holes
HSP-COMe-cDC2 through	36005-0000-99-1	Heatspreader for COMe-cDC2, through holes
HSK-COMe-cDC2 active	36005-0000-99-0C01	Active cooling solution for COMe-cDC2, threaded mounting holes
HSK-COMe-cDC2 passive	36005-0000-99-0C02	Passive cooling solution for COMe-cDC2, threaded mounting holes

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