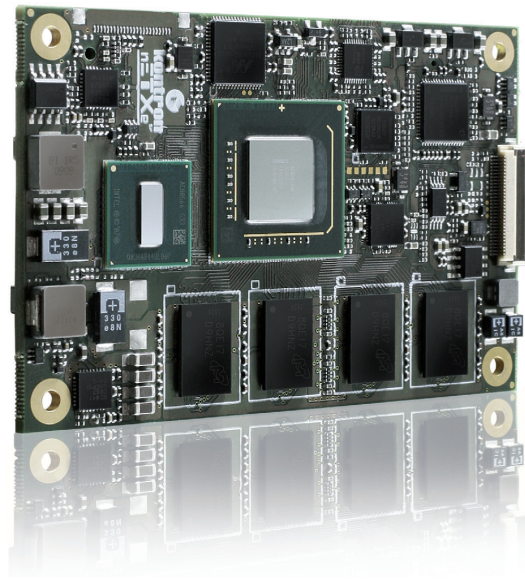


» COMe-mSP1 «



Based on COM Express® mini Pin-out Type 1

- » Based on Intel® Atom™ Processor Z5xx and Intel® SCH US15W
- » COM Express® mini COM size nano (55 x 84mm)
- » SerialATA and USB Client
- » Memory and FlashDrive on board

Technical Information

Processor	Intel® Atom™ processor Z510 (1.1GHz) and Z530 (1.6GHz)
Cache	32KB Instruction Cache + 24KB L1 Cache, 512KB L2 Cache
Chipset	Intel® System Controller Hub US15W
Memory	Onboard up to 2GB DDR2 (400/533)
Hard Disk	1 SerialATA
Other Features	Onboard SSD Flash Drive up to 8GB
USB	8x USB 2.0 (1x USB Client)
PCI Express	1 PCI Express x1 (opt. 2 x1 if no onboard LAN)
Ethernet	Onboard 10/100/1000 Mbit Intel® LAN
Sound	Intel® High Definition Audio
Video Controller	Integrated Intel® Graphics, Intel® GMA 500, HDTV/HD capable, Decoder for MPEG2(HD)/H.264 Up to 256 MB, UMA
LVDS Resolutions	Single Channel LVDS 18/24 Bit; WXGA 1366 x 768
SDIO	1 SDIO port (shared with GPIO)
SDVO Resolutions	Optional: SDVO up to 1920 x 1080
Operating Systems	Windows® XP SP3, Windows® XP Embedded, Windows® CE, Linux, VxWorks, QNX
Dimensions (H x W x D)	55 x 84 mm
Power Consumption	Typ. Idle 2,8 W - 3,2 W, @12V 4.75V – 14V Wide Range Power Supply (optional 5V stand-by for ATX function)
Temperature (*)	Operation: 0°C to 60°C, Storage: -30°C to 85°C
Humidity	Operation: 10% to 90%, Storage: 5% to 95% (non condensing)
Compliance	COM Express® mini (COM.0 R2.0) pin-out Type 1

(*) Ask about extended temperature ranges

Ordering Information

Article	Part No.	Description
COMe-mSP1 1,1GHz 512/512	34001-5151-11-1	COMe-mSP1 with Intel® Atom™ 1,1GHz and Intel® SCH US15W, 512MB DDR2 SDRAM, 512MB onboard Flash drive
COMe-mSP1 1,1GHz 1GB/2GB	34001-1020-11-1	COMe-mSP1 with Intel® Atom™ 1,1GHz and Intel® SCH US15W, 1GB DDR2 SDRAM, 2GB onboard Flash drive
COMe-mSP1 1,6GHz 512/2GB	34001-5120-16-1	COMe-mSP1 with Intel® Atom™ 1,6 GHz and Intel® SCH US15W, 512MB DDR2 SDRAM, 2GB onboard Flash drive
COMe-mSP1 1,6GHz 1GB/4GB	34001-1040-16-1	COMe-mSP1 module with Intel® Atom™ 1.6GHz CPU and Intel® SCH US15W, 1GB DDR2 SDRAM, 4GB onboard Flash drive
HSP COMe-mSP1 thread	34001-0000-99-0	Heatspreader 11mm for COMe-mSP1, threaded mounting holes
HSP COMe-mSP1 slim thread	34001-0000-99-2	Slimline heatspreader 6.5mm for COMe-mSP1, threaded mounting holes
HSP COMe-mSP1 through	34001-0000-99-1	Heatspreader 11mm for COMe-mSP1, through holes
HSK COMe-mSP1 slim passive thread	34001-0000-99-0C01	Passive cooling solution with slimline HSP for COMe-mSP1, threaded mounting holes
COMe Ref. Carrier HMI T1	34100-0000-00-0	COM Express® Reference Carrier HMI Type 1
COMe Starterkit HMI T1	34100-0000-00-S	COM Express® Starterkit w/ Reference Carrier HMI Type 1 34100-0000-00-0, 7" WVGA Panel with touch, 12V power supply, cables and accessories, packed in plastic case
COMe-mSP1 Starterkit VxW	34100-0000-00-SVXW	COMe-mSP1 Starterkit VxWorks Starterkit, pre-configured with COMe-mSP1 1,6 GHz incl. pre-installed VxWorks 6.8 demo version

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