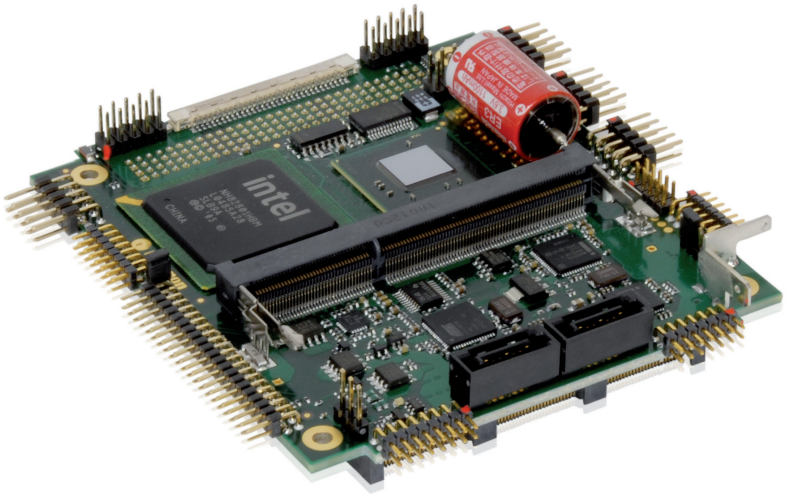
kontron

» MICROSPACE® MSM-LP «



EMBEDDED-PC PC/104-Plus MODULES

MICROSPACE®

PCI/104-Express™ SBC with Intel® Atom™ processor D525 / D425

» USB, SATA, PATA, COM, 2x Gbit LAN, DDR3
» Highest Dual-Core energy for harsh environments

MICROSPACE® MSM-LP

PCI/104-Express™ with Intel® Atom™ processor D525/D425

Technical Information

Processor/Performance	Intel® Atom™ D525 (Dual Core)/1.8 GHz or D425/1.8 GHz
Chipset	Intel® 82801HM
Bus	
PCI Express-Bus	Yes, on the bottom
PCI	Option, on the bottom
Memory	Up to 4GB DDR3 SODIMM
Graphics	Int. graphic controller, multi display support
Video Memory	Up to 256 MB (UMA)
LCD interface	LVDS up to 1366x768 18bpp
CRT interface	Up to 2048x1536 @ 60Hz
Storage Interface	2x SATA300, 1x PATA
COM1 / COM2	RS232C or UART
COM3 / COM4	UART
USB	4x USB2.0, 2x USB2.0 on PCI Express Connector
Ethernet	2x Gbit LAN
Audio	HD Audio line-out, mic-in, SPDIF out/in
Temperature	0°C to +70°C
Dimensions	90 x 102 mm
Option	RTC Battery 900mAh (typ. 10 years) Ethernet 1Gbit LAN Storage 4/8/16GB SSD
Special features	8x GPIO, 4x A/D, 2x D/A, PWM, boot from LAN, Watchdog, ECO Mode (minimal power consumption), soldered SSD (Solid State Drive) available with a minimum quantity ordered

Ordering Information

Article	Part No.	Description
MSM-LP-D525	802350	MSMLP with Intel® Atom™ D525
MSM-LP-D425	802360	MSMLP with Intel® Atom™ D425
1GB RAM DDR3 SODIMM	890680	1GB
2GB RAM DDR3 SODIMM	890681	2GB
4GB RAM DDR3 SODIMM	890682	4GB
Option PCI104 Connector	802313	PCI104 Connector
Option MSM-LP Heat Spreader Kit	802358	Heat spreader, screw set included
Option MSM-PC104 Passive Cooler Kit	802314	Passive cooler including assembly material
Option MSM-PC104 Active Cooler Kit	802316	Heat sink and fan including assembly material
Option MSM-PC104 CK	802040	Line-In/Out or Mic-In, S/PDIF, 1Gb Ethernet (Interfaces), USB, VGA, COM single, SATA
MSM-LP-Evalkit	802359	MSM-LP-Evalkit

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Datasheet – MSM-LP #03222013WMH
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