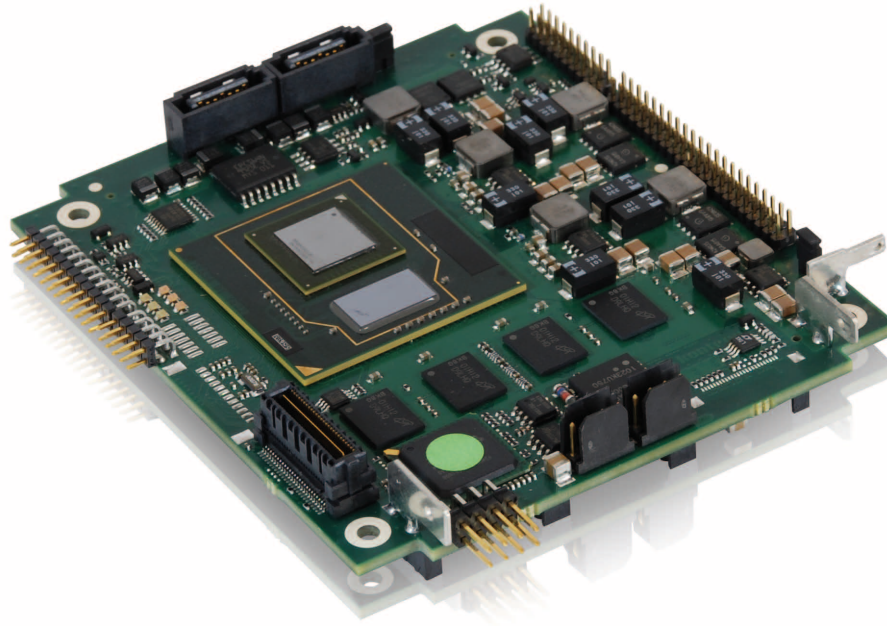


» MICROSPACE® MSMST «



MICROSPACE®



PCIe/104™ SBC with Intel® Atom™ processor E6x5C series

- » Flexible FPGA I/O configuration for application-specific requirements
- » HSMC for custom interfaces
- » Minimal space requirements
- » Extended temperature -40°C to +85°C available

MICROSPACE® MSMST

PCIe/104™ SBC with Intel® Atom™ processor E6x5C series

Technical Information

Processor/Performance	Intel® Atom™ processor E6x5C series	
IO-Controller	Altera® Arria II GX User programmable FPGA on Intel® Atom™ processor E6x5C package	
Bus		
PCI Express-Bus	yes, on the bottom	
HSMC	yes, on the bottom	
DRAM Min-Max	soldered 512 - 2048 MB	
Graphics	int. graphic controller	
Video Memory	up to 256 MB (UMA)	
LCD Interface	LVDS 18/24bit 1280x768 @ 60Hz	
SDVO Interface	1280 x 1024 @ 85Hz	
Storage Interface	2x SATA300	
USB	2x USB2.0	
Audio	HDA	
TPM	optional	
Standard Temperature	0°C to +70°C	
Extended Temperature	-40°C to +85°C available	
Dimension	90mm x 102mm	
Special Features	Arria FPGA for custom interfaces (GPIO, UART, SPI, I2C, PCI, CAN, LPT, SD, ...) on HSMC.	
Option	MSMST Media Board VGA	MSMST Media Board DVI
Graphics	VGA, up to 1920x1200 with reduced blanking	DVI, up to 1600x1200
RTC Battery	900mAh (typ. 10 years)	
Ethernet	1Gbit LAN	
Audio	2x Stereo (Mic, Line), SPDIF (OUT)	

Ordering Information

Article	Part-No.	Description
MSMST	802310	MICROSPACE® MSMST (with extended temperature Intel® Atom™ processor E665CT / 1.3GHz)*
MSMST MB DVI	802150	Media Board DVI
MSMST MB VGA	802151	Media Board VGA
Heatspreader MSMST	802315	Heatspreader (incl. assembly material)
MSMST Active Cooler	802316	Active Cooler (incl. assembly material)

* Other versions of Intel® Atom™ processor E6x5C series for commercial and extended temperature available on request.

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