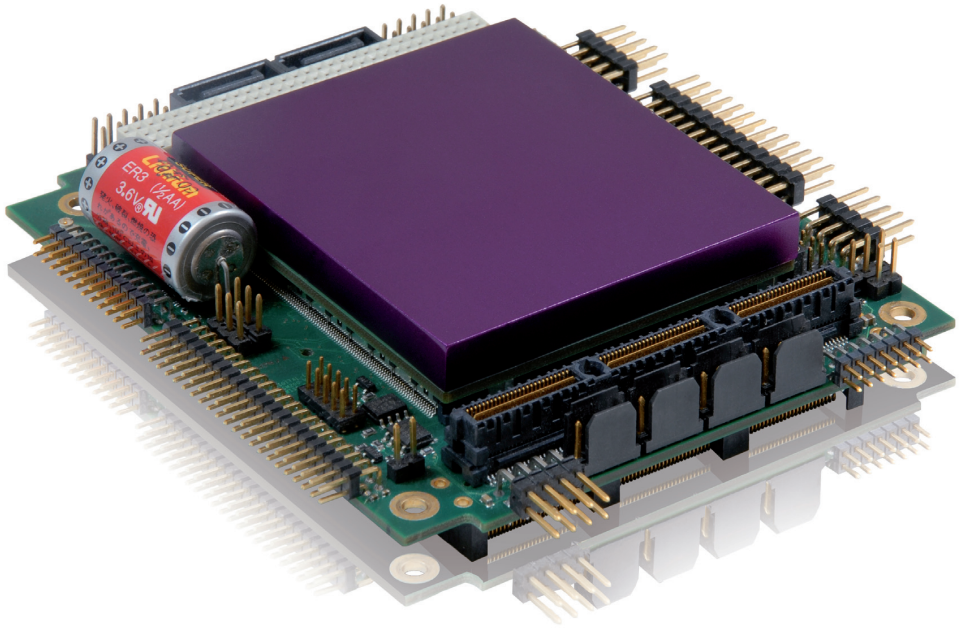
kontron

» MSM200X/XP/XU «



MICROSPACE®

EMBEDDED-PC PCI/104Express MODULES

PCI/104-Express with Intel® Atom™ Z510/Z530

» Used in battery powered mobile computers
» Information terminals with video displays
» Game systems with music output
» Measuring instruments
» Telecommunication devices

Technical Information

	MSM200X	MSM200XP	MSM200XU
Processor/Performance	Atom Z510/Z530 / 1.1/1.6GHz	Atom Z510/Z530 / 1.1/1.6GHz	Atom Z510/Z530 / 1.1/1.6GHz
Chipset	US15W	US15W	US15W
Bus			
PCI-BUS (Option 807006 or 807005)	Option	Option	Option
PCI Express-BUS	Not assembled	Yes, on the bottom	Yes, on the top
Memory	Soldered 0.5-2GB	Soldered 0.5-2GB	Soldered 0.5-2GB
Graphics/Resolution			
Video controller	Int., up to 1920 x 1200 (with reduced blanking)	Int., up to 1920 x 1200 (with reduced blanking)	Int., up to 1920 x 1200 (with reduced blanking)
Video memory (MB)	128	128	128
LCD interface	Yes, 24bit LVDS	Yes, 24bit LVDS	Yes, 24bit LVDS
CRT interface	Yes	Yes	Yes
HDD/CF			
IDE interface P-ATA	2x	2x	2x
IDE interface S-ATA (SIL 3132)	2x	2x	2x
Parallel/Serial Port			
COM1	RS232C	RS232C	RS232C
COM2	RS232C	RS232C	RS232C
COM4	RS232C/RS422/485	RS232C/RS422/485	RS232C/RS422/485
COM5	RS232C/RS422/485	RS232C/RS422/485	RS232C/RS422/485
USB	4x (2.0)	4x (2.0), 2x PCI104ex	4x (2.0), 2x PCI104ex
Ethernet	1GB LAN	1GB LAN	1GB LAN
Sound	HDA-ALC882, 2x Stereo, SPDIF (7.1)	HDA-ALC882, 2x Stereo, SPDIF (7.1)	HDA-ALC882, 2x Stereo, SPDIF (7.1)
RTC battery onboard (typ. 10 years)	900mAh	900mAh	900mAh
Standard Temperature	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Extended Temperature (E48)	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dimensions	96 x 90 mm	96 x 90 mm	96 x 90 mm

Ordering Information

Article	Part-No.	Description
MSM200X **MSM200XP** **MSM200XU**	802370 802372 802371	Part no. (without SMA200x)
SMA200-11G-05GB	805800	Atom Z510 incl. 0.5GB RAM
SMA200-16G-05GB	805810	Atom Z530 incl. 0.5GB RAM
SMA200-11G-1GB	805801	Atom Z510 incl. 1GB RAM
SMA200-16G-1GB	805811	Atom Z530 incl. 1GB RAM
SMA200-11G-2GB	805802	Atom Z510 incl. 2GB RAM
SMA200-16G-2GB	805812	Atom Z530 incl. 2GB RAM
Option L+	807006	PC/104plus Con. long
Option P+	807005	PC/104plus Con. short
MSM200-CKCON	803070	Cablekit with connector- print for USB,1LAN, Sound Cables: FD, COM, LPT, PWR, PS2
MSM200-LANCON	803024	1G LANcable with connector- print RJ45 and 900mAhBat
MSM200-GPS	803076	GPS Mod. on COM3 mounted, TYCO A1080 receiver
Option WLAN MCex	807414	MiniCard Expr. assembled, with antenna cable
Option GSM/UMTS MCex	807413	MiniCard Expr. assembled, with antenna cable
Enhanced Temp.	807713	E48 (-40°C to +85°C)

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany

Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 279

info@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA

Tel.: +1 888 294 4558
Fax: +1 858 677 0898

info@us.kontron.com

Asia Pacific

17 Building,Block #1,ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: + 86 10 63751188
Fax: + 86 10 83682438

info@kontron.cn

Intel Intelligent Systems Alliance Premier

#MSM200X/XU/XP# 07232012WMH
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners.