

MSB200 - 3.5-inch Intel Atom 1.1GHz - 1.6GHz

Features

- Intel Atom Z510 / Z530 1.1GHz - 1.6GHz
- Intel US15W System Controller Hub (SCH)
- 512MB - 2GB Soldered DDR2 DRAM
- Onboard CF II socket (PATA)
- 2x SATA
- Onboard DVI
- LVDS Interface (optional)
- 10/100 Ethernet LAN
- Gigabit Ethernet LAN
- PCIe Minicard slot
- 3.5-inch form factor



Ordering Information

Item Code	Part #	Description
Base		
MSB200-11G-05GB	802273	Z510, 512MB
MSB200-11G-1GB	802274	Z510, 1GB
MSB200-11G-2GB	802275	Z510, 2GB
MSB200-16G-05GB	802270	Z530, 512MB
MSB200-16G-1GB	802271	Z530, 1GB
MSB200-16G-2GB	802272	Z530, 2GB
Base Options / Accessories		
MSB200CON	802277	Connectorboard f. MSB200 DSub to COM1 and LPT1
MSB200CK	802218	Cableset: 2xSATA (30cm) 1x COM2 (30cm) to DSub9
PowerSupply 19V/60W	812029	ACin:110-240V 60W Uout:19V 3Amp. without: powercord (order
U.S. Power Cable	100-9639	U.S. Power cable (spare)
MSB200 Heatspreader	807046	Thermal conduct. cooling 146x 102x 4mm
Option: MSB200-LVDS	802276	LVDS Connector mounted
Option P+	807005	PC/104plus Connector added

Description

The MICROSPACE® MSB200 3.5" single board computer is based on Intel's latest Atom processor (Z510 / Z530) and has all of the standard PC interfaces plus a second Ethernet LAN and a stereo sound controller. In contrast to the PC/104-Plus cards, all interfaces are connected using standard plugs; this means low-cost cable-free housing integration. The PCI/104 bus (32bit PCI), MiniPCI socket and 6 USB interfaces are available as optional functional extensions. A wide range power feed is also onboard so that cost-effective power supply units can be used.

Data subject to change without notice

Advanced Digital Logic, Inc.; 4411 Morena Blvd., Suite 101; San Diego, CA 92117-4345
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Technical Specifications

FEATURE	MSB200-16G-xxGB	MSB200-11G-xxGB
Part no. (incl. 0.5GB RAM)	802270	802273
Part no. (incl. 1.0GB RAM)	802271	802274
Part no. (incl. 2.0GB RAM) (not from stock)	802272	802275
CPU	Atom Z530	Atom Z510
ISA-BUS	-	-
PCI-BUS	yes (option)	yes (option)
PCI Express-BUS	-	-
2nd Level cache (kB)	512	512
Performance (GHz)	1.6GHz	1.1GHz
DRAM soldered	0.5 - 2GB	0.5 - 2GB
CompactFlash socket	yes, type II	yes, type II
Keyboard mouse (PS/2)	-	-
Boot drive	HD, CF, USB, LAN	HD, CF, USB, LAN
Floppy interface	-	-
IDE interface P-ATA	CF	CF
IDE interface S-ATA	2x	2x
COM1	RS232C	RS232C
COM2	RS232C	RS232C
COM3	-	-
COM4	-	-
LPT1	yes	yes
USB (2.0)	6x 1x client	6x 1x client
LAN Port 1 incl. onboard transformer	10/100BASE-T	10/100BASE-T
LAN Port 2 incl. onboard transformer	1GB-LAN	1GB-LAN
Audio	Stereo In/Out	Stereo In/Out
Video controller	internal	internal
Video Memory	Shared GMA 500	Shared GMA 500
LCD interface (option 802276)	yes	yes
DVI interface	yes	yes
CRT interface	-	-
Video input	-	-
Watchdog	yes	yes
Power normal (typ.)	8V-30V/12W	8V-30V/10W
Power suspend	0.1W	0.1W
Power management	yes	yes
RTC battery onboard (typ. 5 years)	235mAh	235mAh
Cooling type	passive	passive
Operating temperature	-25°C to +70°C*	-25°C to +70°C
Extended operating temperature (E48)	-40°C to +85°C*	-40°C to +85°C
Size (W x L x H in mm)	146 x 102 x 22	146 x 102 x 22
Weight	150 g	150 g
MTBF	>200'000h	>200'000h
Special features 1	PCIe MiniCard socket	PCIe MiniCard socket
Special features 2	-	-
Special features 3	-	-

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