MPC25/L

Most economical, smallest multimedia computer

The MICROSPACE® MPC25 computer system contains the MSB200 board and its interfaces, based on Intel's Atom processor with up to 1.6GHz. It boots from CompactFlash, LAN, USB, SSD or from the optionally integrated 2.5" hard disk. The MPC25 is 27mm in height and is the smallest computer of its kind. The PCIe-MiniCard makes it possible to integrate WLAN or field buses. Power is supplied directly with 12V or with a 110/220V power supply unit.

Applications

_ Cost-effective information terminals (LAN, 3D-VGA)
_ Multimedia system
_ Computer with very low power consumption
_ 3D video (DiV-X, DVD) player

Ordering information

Item	No.	Description
HD250GB	807466	250GB hard drive SATA
		0°C to +50°C operating temperature
WLAN	812048	Optional WLAN (PCIe MiniCard)

DIGITAL-LOGIC
smart embedded computers

Technical data	MPC25-2GB	MPC25-1GB	MPC25L-05GB
CPU	Intel® Atom Z530	Intel® Atom Z530	Intel® Atom Z510
ISA-BUS	-	-	-
PCI-BUS	-	-	-
PCI Express-BUS	PCIexpress MiniCard	PCIexpress MiniCard	PCIexpress MiniCard
2nd Level cache (kB)	512	512	512
Performance (GHz)	1.6	1.6	1.1
DRAM Min-Max (GB)	2	1	0.5
CompactFlash socket (Type I/II)	yes, CF 256MB inst.	yes, CF 256MB inst.	yes
Keyboard, mouse (PS/2)	-	-	-
Boot drive	CF, USB, LAN, Opt. HD	CF, USB, LAN, Opt. HD	CF, USB, LAN, Opt. HD
IDE interface S-SATA	yes	yes	yes
Digital in	-	-	-
Digital out	-	-	-
COM1	-	-	-
COM2	-	-	-
COM3	-	-	-
COM4	-	-	-
LPT1	-	-	-
USB (2.0)	6x (1x internal)	6x (1x internal)	6x (1x internal)
CAN1-V2.0	-	-	-
CAN2-V2.0	-	-	-
LAN Port A	1GB-LAN (PCIe)	1GB-LAN (PCIe)	1GB-LAN (PCIe)
LAN Port B	100MB-LAN	100MB-LAN	-
Audio	Stereo In/Out	Stereo In/Out	Stereo In/Out
Video controller	Intel®	Intel®	Intel®
Video memory (MB)	128	128	128
LCD interface	-	-	-
DVI interface	yes	yes	yes
CRT interface	-	-	-
Video input	-	-	-
Watchdog	yes	yes	yes
Power normal	10V-20V/6W	10V-20V/5W	10V-20V/5W
Power suspend	0.1W	0.1W	0.1W
Power management	yes	yes	yes
RTC battery onboard	400mAh (>10 years)	400mAh (>10 years)	400mAh (>10 years)
Cooling type	passive	passive	passive
Operating temperature (without hard disk)	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Extended operating temperature	-	-	-
Size (W x L x H in mm)	165 x 110 x 27	165 x 110 x 27	165 x 110 x 27
Weight	500 g	500 g	500 g
MTBF	>100'000h (without HD)	>100'000h (without HD)	>100'000h (without HD)
Special features 1	-	-	-
Special features 2	-	-	-
Special features 3	FreeDOS + Linux inst.	FreeDOS + Linux inst.	-
Part no.	812082	812081	812070