



(MPC20)



rearview
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(MPC21)

MPC20/21

Description

The MICROSPACE® MPC20/21 computer system has the MSB800 board and its interfaces. It boots from CompactFlash, LAN, USB, internally mounted USB flash disk (uDOC) or from the optionally integrated 2.5" hard disk. The MPC20 is 27 mm in height and the smallest computer of its kind. In addition to the MPC20 functions, the MPC21 (46 mm in height) has 2 COMs, LPT and a PCI/104 slot. The MiniPCI base makes it possible to integrate WLAN or field buses. If field buses (MiniPCI) and WLAN (MiniPCI) are both used, the second MiniPCI base is upgraded with MSMP104+. Power is supplied directly with 12/24V or with a 110/220V power supply unit.

Applications

- _ Cost-effective information terminals (LAN, VGA)
- _ Control of interactive devices
- _ Firewall (2 Ethernet LANs)
- _ Measuring instruments (integrated PCI/104 measurement card)

Ordering information

Option/accessories	No.	Description
Upgrade	815060	256 to 512MB memory
Upgrade	815062	256 to 1GB memory



ISA 8Bit
16Bit
No

PCI 32Bit
No
PCIe

CPU LX800/ X86
Pentium® M
Celeron® M
Core™ Duo/Solo

Clock 2x 1.6GHz
600-1800MHz
500
133

Memory 128MB-1GB
256MB-4GB
32-256MB
16-128MB

LAN 100MB-LAN
100MB-LAN
1GB-LAN
1GB-LAN

RoHS



Technical data

Type	MPC20	MPC21
CPU	LX800	LX800
ISA-BUS	-	-
PCI-BUS	-	1slot PCI/104
PCI Express-BUS	-	-
2 nd Level cache (kB)	128	128
Performance (MHz)	500	500
DRAM Min-Max (MB)	256 (max. 1GB)	256 (max. 1GB)
CompactFlash socket (Type I/II)	yes	yes
Keyboard, mouse (PS/2)	yes	yes
BootDrive	CF, USB, LAN, opt. HD	CF, USB, LAN, opt. HD
Floppy interface	-	-
IDE interface P-ATA	(1x option)	(1x option)
IDE interface S-ATA	-	-
COM1	-	RS232C
COM2	-	RS232C
COM3	-	-
COM4	-	-
LPT1	-	yes
USB (2.0)	4x	4x
LAN Port 1	10/100BASE-T	10/100BASE-T
LAN port 2	10/100BASE-T	10/100BASE-T
Audio	Stereo In/Out	Stereo In/Out
Video controller	LX800	LX800
Video memory (MB)	16 (UMA)	16 (UMA)
LCD interface	-	-
DVI interface	-	-
CRT interface	yes	yes
Video input	-	yes
Watchdog	yes	yes
Power normal	8V-30V/10W	8V-30V/10W
Power suspend	0.1W	0.1W
Power management	yes	yes
RTC battery onboard	400mAh (>10 years)	400mAh (>10 years)
Cooling type	passive	passive
Operating temperature (without harddisk)	-25°C to +70°C	-25°C to +70°C
Extended operating temperature	-	-
Size (W x L x H in mm)	160 x 110 x 27	160 x 110 x 46
Weight	500 g	700 g
MTBF	>200'000h	>200'000h
Special features 1	MiniPCI-socket	MiniPCI-socket
Special features 2	-	PCI/104-slot
Special features 3	-	-
Part no.	812020	812021

Option/accessories

Article	Description	No.	No.	No.
HD40GB	40GB-Harddisk	807460	807460	
HD40GBExt.	40GB-Harddisk erweiterte Temp.	807462	807462	
UFD-1GB	1GB-USB-Flashdisk	807465	807465	