



MPC21/A/B/C

The fan-free, energy-efficient mini-industrial computer

The MPC21/A/B/C includes all the standard interfaces (COMs, USB, LAN, VGA, audio) and is internally expandable with a PCI/104 card. With the LX800 processor, the system typically needs only 10 Watts. Besides the CompactFlash on the front, an optional hard drive is available for mass storage. The robust sheet steel housing has various mounting possibilities (see Accessories).

Applications

- _ Information terminals
- _ Cash register systems
- _ Measurement technology, data capture
- _ External 110/220VAC power pack

Ordering information

Item	No.	Description
Upgrade 256MB to 512MB DDR	815060	512Mb RAM assembled
Upgrade 256MB to 1GB DDR	815062	1GB RAM assembled
MPC20/21 Option 160GB HD.	807461	160GB HD PATA assembled for MPC20/21 incl. cable
Option MPC20/21 WLAN	812028	Intel 2915 AGB MiniPCI, incl. antenna + mounting
PowerSupply 19V/60W	812029	ACin:110-240V,60W Uout:19V,3Amp. without: powercord
Powercord Euro	693061	2 wire for AC-Supply
Powercord USA/JP	693062	2 wire for AC-Supply
Powercord GB	693063	2 wire for AC-Supply
MPC2x HD Assemblykit	812018	MPC20/21 HD Assemblykit
Lizenzkleber PXE-LanBoot	809108	
MPC21/26A Opt. COM3-RS422	812041	RS422 assembled on COM3
MPC21/26A Opt. COM3-RS485	812042	RS485 assembled on COM3
MPC21/26A Opt. COM4-RS422	812043	RS422 assembled on COM4
MPC21/26A Opt. COM4-RS485	812044	RS485 assembled on COM4

For mounting accessories see page 30.

*Isolation voltage 1600V (60 sec.) or 50VDC. Option only for the MPC21A.

LX800

0.5GHz

Industry
POI

PC/104-Plus

<10Watt



Technical data

Type	MPC21	MPC21A	MPC21B	MPC21C
CPU	LX800	LX800	LX800	LX800
ISA-BUS	-	-	-	-
PCI-BUS	1 PCI/104 slot	-	-	1 PCI/104 slot
PCI Express-BUS	-	-	-	-
Performance (MHz)	500	500	500	500
DRAM Min-Max (MB)	256 (max. 1GB)	256 (max. 1GB)	256 (max. 1GB)	256 (max. 1GB)
CompactFlash socket (Type I/II)	yes, CF 256MB inst.	yes, CF 256MB inst.	yes, CF 256MB inst.	yes, CF 256MB inst.
Keyboard, mouse (PS/2)	yes	yes	yes	yes
Boot drive	CF, USB, LAN, opt. HD	CF, USB, LAN, opt. HD	CF, USB, LAN, opt. HD	CF, USB, LAN, opt. HD
IDE interface P-ATA	(1x option)	(1x option)	(1x option)	(1x option)
Digital input (only MPC21A)	-	4x opto isol. 5V-24V*	-	-
Digital output (only MPC21A)	-	4x opto isol. 50V/1A*	-	-
COM1	RS232C, 9pol	RS232C, 9pol	RS232C, 9pol	RS232C, 9pol
COM2	-	RS232C, 9pol	RS232C, 9pol	RS232C, 9pol
COM3/CAN1	-	RS232C, 9pol	CAN1, 9pol	-
COM4/CAN2	-	RS232C, 9pol	CAN2, 9pol	-
LPT1	yes	yes	yes	-
USB (2.0)	4x (1x internal)	4x (1x internal)	4x (1x internal)	4x (1x internal)
LAN Port 1	10/100BASE-T	10/100BASE-T	10/100BASE-T	10/100BASE-T
LAN Port 2	10/100BASE-T	10/100BASE-T	10/100BASE-T	10/100BASE-T
Audio	Stereo In/Out	Stereo In/Out	Stereo In/Out	Stereo In/Out
Video controller	LX800	LX800	LX800	LX800
Video memory (MB)	16 (UMA)	16 (UMA)	16 (UMA)	16 (UMA)
LCD interface	-	-	-	-
DVI interface	-	-	-	-
CRT interface	yes	yes	yes	yes
Video input	yes	yes	yes	yes
Watchdog	yes	yes	yes	yes
Power normal, N1224	10V-28V/typ.10W	10V-28V/typ.10W	10V-28V/typ.10W	10V-28V/typ.10W
Power suspend	0.1W	0.1W	0.1W	0.1W
Power management	yes	yes	yes	yes
RTC battery onboard	900mAh (>10 years)	900mAh (>10 years)	900mAh (>10 years)	900mAh (>10 years)
Cooling type	passive	passive	passive	passive
Operating temperature (without hard disk)	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Operating temperature (with hard disk)	0°C to +50°C	0°C to +50°C	0°C to +50°C	0°C to +50°C
Protection class				
Size (W x L x H in mm)	165 x 110 x 46	165 x 110 x 46	165 x 110 x 46	165 x 110 x 46
Weight	700 g	700 g	700 g	700 g
MTBF (25°C)	100'000h (without HD)	100'000h (without HD)	100'000h (without HD)	100'000h (without HD)
Special features 1	MiniPCI-socket	MiniPCI-socket	MiniPCI-socket	MiniPCI-socket
Special features 2	PCI/104-slot	-	-	PCI/104-slot
Special features 3	FreeDOS + Linux inst.	FreeDOS + Linux inst.	FreeDOS + Linux inst.	FreeDOS + Linux inst.
Part no.	812021****	812022****	812023****	812024****

***Including DC power cable (Part no. 812036).

**** Including DC power cable (Part no. 812035).

Manufacturer:

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