MICROSPACE® COMPUTER SYSTEMS

MPC20   MPC20L

MPC20/L
The smallest industrial computer

The MICROSPACE® MPC20 computer system contains the MSB800 board and its interfaces. It boots from CompactFlash, LAN, USB or the optionally integrated 2.5" hard drive.

At only 27mm high, the MPC20 is the smallest computer of its kind. The MiniPCI socket makes it possible to integrate WLAN. Power is supplied directly with 12/24Volt or with a 110/220V power supply.

Applications

_ Cost-effective information terminals (LAN, VGA)
_ Control of interactive devices
_ Firewall (2 Ethernet LANs)

Ordering information

Item	No.	Description
Upgrade	815060	256 to 512MB memory
	815062	256 to 1GB memory

Item	No.	Description
Option	807460	40GB-hard drive (0°C to +50°C)
	807462	40GB-hard drive, extended temp. (-25°C to +70°C)
	807461	160GB-hard drive (0°C to +50°C)
	812028	Option-WLAN
	812029	Power supply 110/230VAC, 60W

For mounting accessories see page 28.

DIGITAL-LOGIC
smart embedded computers

Technical data	MPC20	MPC20L
CPU	LX800	LX800
ISA-BUS	-	-
PCI-BUS	MiniPCI-socket	MiniPCI-socket
PCI Express-BUS	-	-
2nd 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, CF 256MB installed	yes
Keyboard, mouse (PS/2)	yes	-
Boot drive	CF, USB, LAN, opt. HD	CF, USB, LAN, opt. HD
IDE interface P-ATA	(1x option)	(1x option)
Digital In	-	-
Digital Out	-	-
COM1	-	-
COM2	-	-
COM3	-	
COM4	-	-
LPT1	-	-
USB (2.0)	4x (of which 1x internal)	4x (of which 1x internal)
CAN1-V2.0	-	-
CAN2-V2.0	-	-
LAN Port A	10/100BASE-T	10/100BASE-T
LAN Port B	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	-	-
Watchdog	yes	yes
Power normal	10V-30V/10W	10V-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 hard disk)	-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
Weight	500 g	500 g
MTBF	100'000h (without HD)	100'000h (without HD)
Special features 1	fan-less	fan-less
Special features 2	-	-
Special features 3	FreeDOS + Linux installed on CF	-
Part no.	812020*	812019

*Including DC power cable (Part no. 812036)

Manufacturer:

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