



MPCF50R

The fanless and thin, passenger information rail computer

The MPCF50R has the same interfaces as the MPCR50R (COMs, USB, LAN, VGA, DVI) and uses the same computer electronics. The system is built mechanically very thin (<60mm) so that it finds room behind any LCD display. An onboard CompactFlash, a 2.5" SATA hard drive (80GB) or a 2.5" SSD (32GB) is available for mass storage. Customer specific security functions can be realized using FPGA and a microcontroller and visualized over a color LCD display.

Applications

- _ Passenger entertainment and information
- _ Advertising displays in busses and railway vehicles

Ordering information

Item	No.	Description
Option MPCR50/R WLAN	807414	MiniCard Intel 4965AGN with antenna cable
Option MPCR50/R GPS	807412	GPS A1080 assembled with antenna cable
Option GSM GPRS/UMTS	807413	MiniCard Expr. assembled, GMS with antenna cable
MPCxx M12 Powerconnector	814690	M12-Plug with 2m cable for DC input 12-48VDC
MPCX50 Mountinkit	814637	
MPCxx M12 Poweradapter	807436	110/220VAC , 90W Supply, with M12 connector (19V)
MPCxxx RTC-Battery Kit	807470	Maintenancekit
MPCxx M12 USB to Std.USB	814691	M12-Plug with 2m cable to Standard USB connector
MPCxx M12 LAN to Std.LAN	814692	M12-Plug with 2m cable to Standard RJ45-LAN
Upgrade 3GB with SMX945B	807406	Upgrade SMX945B with 3GB from the SMX945 with 2GB
Option 32GB SSD	807417	SATA SLC 2.5"-SSD Intel
Downgrade no HD	807377	No HD assembled



Technical data

Type	MPCF50R-xxx
CPU	Intel® Pentium® Core™2 Duo/Atom
Chipset	Intel® 945GM / N270
Memory	2GB (max. 3GB)
Hard drive	80GB 2.5" or 32GB SSD
CF	yes
Video controller	Intel® 945GM
CD/DVD	-
1st video interface	QXGA
2nd video interface	DVI
Resolution	2048 x 1536 (@ 75Hz)
TV input	-
Serial interface COM1	DB 9pol, RS232
Serial interface COM2	DB 9pol, RS232
Serial interface COM3	DB 9pol, RS232 (CAN)
Serial interface COM4	DB 9pol, RS232 (CAN)
Parallel interface	optional
USB V2.0 Standard	2x front
USB V2.0 M12	1x front
LAN Port A (with LAN boot)	10/100BASE-T (M12)
LAN Port B	1GB-LAN (RJ45)
Audio controller	AC97-2.3
Audio output	Stereo 2x 10W amplifier
Audio Input	Stereo Line
Options	WLAN, GSM-UMTS/GPRS CAN, IBIS, GPS
Digital input/output	4x opto output, 4x opto input
Remote power on/off	yes (ignition)
DC Voltage input (not isolated), V1248	8-58VDC/typ.35W
DC Voltage input (isolated 1.5kV), Ixx	24/36/48/72/110VDC/typ.35W
AC power supply	-
Expansion	2x PCIexpress MiniCard, 2x PCI/104express slot 1x PCI ExpressCard slot
Power save function	Suspend/Resume, SoftOff, Instant On
Conformity	CE, FCC, e1, EN50155
Protection class	IP40
Size (W x L x H in mm)	300 x 320 x 60
Weight	3 kg
Housing	Chromium steel
Colour	chrome
Noise level	<20dB(A)
Operating temperature (with HD) T1	-25°C bis +55°C
Extended operating temperature (with SSD) TX	-40°C bis +85°C
Vibration/shock incl. HD/CD/DVD	1/10G
Vibration/shock incl. SSD	10G/150G
MTBF	60'000h
For operating systems	Vista, WIN XP, LINUX
Part no. MPCF50R-V1248	814670
Part no. MPCF50R-I24	814671
Part no. MPCF50R-I36	814672
Part no. MPCF50R-I48	814673
Part no. MPCF50R-I72	814674
Part no. MPCF50R-I110	814675

Manufacturer:

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