



MPCR50

The fan-free, Core2Duo, 19" computer system

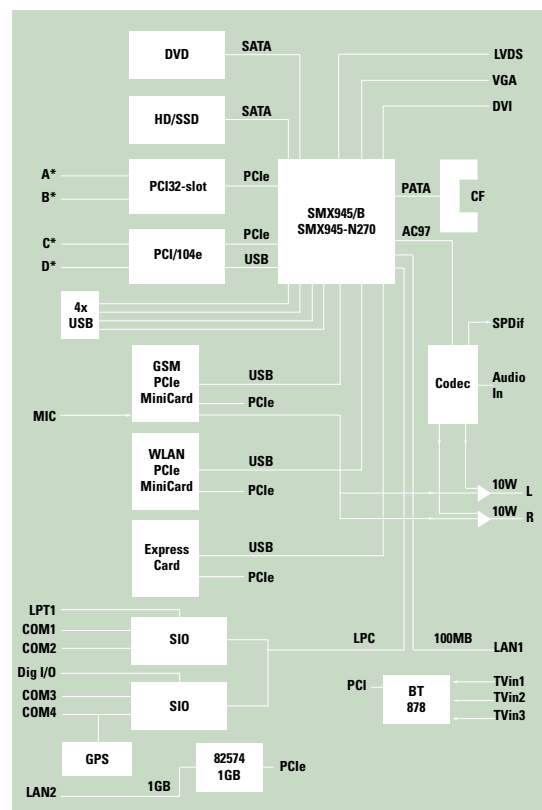
The MPCR50 has many interfaces (COMs, USB, LAN, DVI, sound, video input) and is expandable with PCI slots and PC/104express cards (e.g., CAN, measurement cards). For mass storage, a „hot plug“ exchangeable SATA300 hard drive is built-in (a second drive is optionally available); RAID interconnection is also possible. The RTC battery is monitored and service-friendly, being accessible from the front. For expansion there are optional GPS, GSM and WLAN as well as slots for CompactFlash and Express cards. The housing is made of rugged chromium steel with integrated passive, maintenance-free and fanless cooling. Customer specific functions such as Ring On Wake, GSM Wake, Event Wake Up or Wake On LAN can be realized using FPGA and a microcontroller. By means of a color LCD display and 6 function buttons, various security functions and system information (voltages, temperatures, error reports, POD diagnostics, operating log, RTC battery voltage) can be queried.

Applications

- _ Integration in stationary 19" rack systems
- _ Studio technology, traffic surveillance
- _ Security technology, video server
- _ Multimedia server
- _ Built-in 110/220VAC feed

DIGITAL-LOGIC
smart embedded computers

DIGITAL-LOGIC®, smartModule®, smartCore®Express, MICROSPACE® and MicroDesign are registered trademarks and are property of DIGITAL-LOGIC AG, Switzerland. All other brand names, trademarks and registered trademarks are property of their respective owners. All data is for informational purposes only, is subject to change, and is not guaranteed for legal purposes. Information in this document has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies.



*A, B, C, D interfaces depend on the built-in PCI/104e cards or their respective slots

Ordering information

Item	No.	Description
Option MPCR50/R WLAN	807414	MiniCard Intel 4965AGN with antenna cable
MPCR50 19"-Mountingkit	814617	
Upgrade 3GB with SMX945B	807406	Upgrade SMX945B with 3GB from the SMX945 with 2GB
Upgrade 250GB-HD to 1TB	815651	Replace the 250GB HD with a 1TByte SATA-Harddisk
MPC50-Option 2nd HD 1TB	815650	2nd Harddisk with 1TB assembled into the MPC50x
Downgrade w. SMX945-N270	807404	Atom N270 with 1.6GHz, 2GB RAM assembled
MPCxxx RTC-Battery Kit	807470	Maintenancekit



Technical data

Type	MPCR50
CPU	Intel® Pentium® Core™2 Duo/Atom
Chipset	Intel® 945GM / N270
Memory	2GB (max. 3GB)
Hard drive	1x 250GB to 2x 1TB in 3.5"-BAY
CF	1x
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	-
Serial interface COM4	-
Parallel interface	optional
USB V2.0 Standard	4x front
USB V2.0 M12	-
LAN Port A (with LAN boot)	10/100BASE-T (M12) RJ45
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 CAN, IBIS, GPS
Digital input/output	4x opto output, 4x opto input
Remote power on/off	-
DC Voltage input (not isolated), V1248	-
DC Voltage input (isolated 1.5kV), Ixx	-
AC power supply	110/220VAC/typ.50W
Expansion	2x PCIexpress MiniCard, 2x PCI/104express slot 1x PCI ExpressCard slot
Power save function	Suspend/Resume, SoftOff, Instant On
Conformity	CE, FCC
Protection class	IP40
Size (W x L x H in mm)	480 x 132 x 250
Weight	6 kg
Housing	Chromium steel
Colour	chrome
Noise level	<20dB(A)
Operating temperature (with HD)	-20°C bis +50°C
Extended operating temperature (with SSD)	-40°C bis +70°C (SSD, no HD)
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. MPCR50	814610

Manufacturer:

DIGITAL-LOGIC
smart embedded computers

DIGITAL-LOGIC | Nordstrasse 11/F | CH-4542 | Luterbach / Switzerland
Phone +41 (0)32 681 58 00 | Fax +41 (0)32 681 58 01
sales@digitallogic.com | www.digitallogic.com

Distribution: