



MPCX48
with mounted
option 814325,
front cover
and DVD/CD

MPCX48

The compact vehicle computer

The MPCX28 is based on the Intel Pentium ZC with 2 independent video displays (DVI, VGA, LVDS). For mass storage, a robust hard drive (a flash disk is optional), a CompactFlash card and two USB memory stick brackets are built-in. Expansion options include GPS, GSM and WLAN. Absolutely noiseless operation is achieved through a robust aluminum profile which integrates passive and fan-free cooling.

Applications

- _ Integration in cars, busses, trucks
- _ Passenger entertainment, communication
- _ For 12-24V motor vehicle battery power supplies
- _ e1 certified

Ordering information

Item	No.	Description
Upgrade to Celeron 373	814305	MPCX48 Upgrade to C373 with 1GHz
Upgrade 512MB to 1GB RAM	807363	1GB RAM installed
Opt. MPCX48 DVD-Writer	814316	DVD-RW for MPCX48
Opt. MPCX48 3x dig Out.	814320	3x Relais Output
Opt. MPCX48 Front Cover.	814325	IP52 Protectioncover
Opt. MPCX48 WLAN MiniPCI	814330	WLAN Intel 2915 AGB
Opt. MPCX48 GPS	814335	GPS for MPCX48
Opt. MPCX48 GSM/UMTS.	814346	GSM/UMTS 4-Band for MPCX48 Siemens MC25
Opt. MPCX48 GSM/EDGE.	814341	GSM/EDGE 4-Band for MPCX48 Siemens MC75
Opt. MPCX48 2xCAN PEAK.	814369	2xPeak CAN opto-isolated
MPCX 47/48 Netzteil 3pol.	814380	Powersupply to MPCX47/48 Ignition=ON signal 90W/19VDC,3pol.
USB-Boot DOS/Linux	814350	Boot inst.OS 1GB f.LX800
MPC/X Car Mountingkit.	814055	MPC/X Car Mountingkit
MPC/X Active Cooler.	814190	Cooler with activ fan for car applications
MPCX DC Autokabel	814052	power cable 1m for MPC systems (ignition signal)
MPC DC power cable 1m.	814054	40GB Harddisk automotive
Opt. MPCX48 40GB 24h	814314	PATA 2.5"-SSD
Opt. MPCX48 16GB SSD	814317	for -40°C to +70°C



Technical data

Type	MPCX48
CPU	Intel® Processor® C140, 1GHz
Chipset	Intel® 855GME
Memory	512MB (max. 1GB)
Ext. temp. hard drive¹⁾	0GB, 2.5" (max. 40GB)
Optical drive¹⁾	Optional (814315)
Video controller	Intel® 855GME
Video memory	64MB
3D-Support	DirectX 9
Video interface 1	QXGA
Video interface 2	DVI
Video interface 3	-
Resolution	2048 x 1536 (@ 75Hz)
Keyboard, mouse	USB
Serial interface COM1/CAN	RS232C
Serial interface COM2/CAN	RS232C
Serial interface COM3	-
Serial interface COM4	-
Parallel interface	LPT (opt. CAN)
USB V2.0	4x back, 2x front
TV input/Frame grabber	BT878A, SVideo, 3 channels
LAN Port A (with LAN boot)	10/100BASE-T (RJ45)
LAN Port B	-
LAN Port C	-
Audio controller	AC97-2.3
Line output	Stereo
Line input/mic. input	Stereo + headset
SPDif output	yes
Option 1	WLAN MiniPCI
Option 2	Dual-CAN
Option 3	GSM
Option 4	GPS
Digital input/output	Option: 3x isol. in/ 3x relay out
Remote power on/off	yes
Voltage input/power V1224	8V-30V DC / typ. 15W
Plug-in power supply	110/220V AC Option
Expansion	MiniPCI, PC/104-Plus
Power save function	Suspend/Resume, SoftOff, Instant On
Conformity	CE, FCC, e1
Protection class	IP52
Size (W x L x H in mm)	159 x 190 x 66
Weight	3 kg
Housing	Aluminium
Colour	anthracite/black anodized
Noise level	<20dB(A)
Operating temperature (with HD/CD)	-20°C to +50°C
Extended operating temperature (with CF)	-40°C to +70°C (CF, no CD/HD)
Vibration/shock incl. HD/CD/DVD	1/10G
Vibration/shock (only CF)	16/150G
MTBF (25°C)	60'000h
For operating systems	WIN2000, WIN XP, LINUX
Part no.	814300

Manufactured separately.

DIGITAL-LOGIC
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