



MPCX48

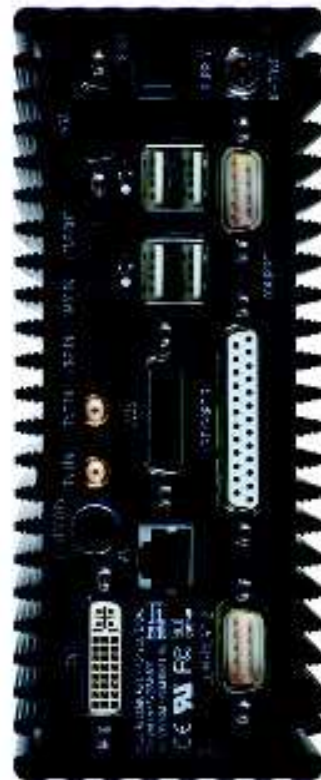
The vehicle computer system with GPS, GSM and DVD options

This totally silent DIGITAL-LOGIC vehicle computer operates on the basis of the Intel® Processor® 1GHz with passive cooling. The main focus is on in-vehicle installation, robustness to vibration and extreme temperatures, replaceable storage media such as hard drives/CompactFlash/DVD and the extremely compact design. Two protected and secured USB sticks are provided as replaceable mass storage. Up to 2 different displays can be output via 3 video interfaces (DVI, VGA, LVDS). The MPCX48 can be used together with an in-vehicle display system DV monitor (6.5-12").

Simple operating software for all device-internal functions via the touch screen of the DV monitor is optionally available.

Applications

- _ Specially developed for installation in cars, boats and lorries
- _ Measuring computer and control computer for vehicle testing
- _ Communication computer with internal GSM, WLAN, LAN and GPS
- _ Infotainment computer



Ordering information

Item	No.	Description
MPCX48	814300	with SM855-C140 (1GHz), without HD, 256MB-RAM, CompactFlash, 1x USB-Boot stick, 1GB
Upgrade	814305 807361 807362	SM855-C373 (1.0GHz) to 512MB RAM to 1GB RAM
Option	814314 814315 814317 814320 814325 814330 814335 814343 814341 814342 814375 814369 814345 814380 814350	HD 40GB-E28-24h DVD/CD SSD 16GB E48 3ch relay out Front cover IP52 WLAN – MPCX48 GPS – MPCX48 GSM, TriBand GPRS (MC55) GSM, GPRS/EDGE (MC75) Wakeup from GSM COM3/4 2x CAN Peak Preheat -40°C for HD/CD Power supply 220V USB-boot stick (DOS/Linux)



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

Technical data

MPCX48

CPU	Intel® Processor® C140, 1GHz
2nd Level cache	0kB, 512kB option
Chipset	Intel® 855GME
Memory	256MB (max. 1GB)
Ext. temp. hard drive	0GB, 2.5" (max. 40GB), Opt. SSD
Optical drive	Optional
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	RS232C
Serial interface COM2	RS232C
Serial interface COM3	Optional
Serial interface COM4	Optional
Parallel interface	LPT
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
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	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
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 SSD)	-40°C to +70°C (SSD, no CD/HD)
Vibration/shock incl. HD/CD/DVD	1/10G
Vibration/shock incl. SSD	16/150G
MTBF	60'000 hrs.
For operating systems	WIN2000, WIN XP, LINUX