



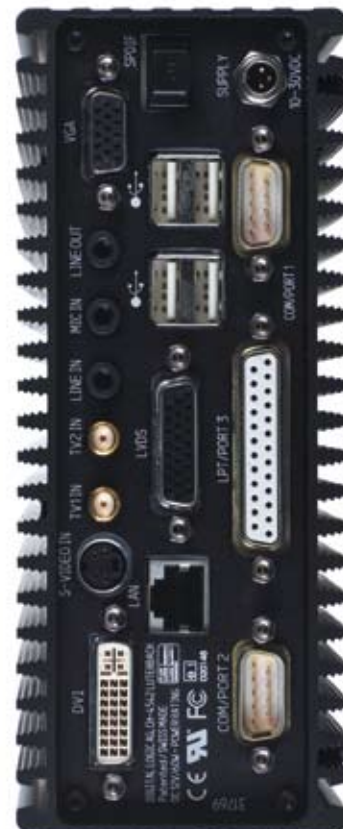
MPCX48A

The vehicle computer system with GPS/GSM option

This totally silent DIGITAL-LOGIC vehicle computer operates on the basis of the Intel® Processor® 800MHz with passive cooling. The main focus is on in-vehicle installation, robustness to vibration and extreme temperatures, the robust hard drive and the extremely compact design. 2 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 MPCX48A can be used together with an in-vehicle display system DV monitor (6.5-12"). Simple operating software for operating 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



Ordering information

Item	No.	Description
MPCX48A	814301	with SM855-C120 (800MHz), 40GB HD, 256MB RAM
Upgrade	814305 807361 807362 814312	SM855-C373 (1.0GHz) to 512MB RAM to 1GB RAM HD40GB to HD40GB-E28
Option	814320 814325 814330 814335 814340 814341 814342 814345 812141	3-ch. relay out FrontCover IP52 WLAN – MPCX48 GPS – MPCX48 GSM, TriBand GPRS GSM, GPRS/EDGE Wake-up from GSM Preheat 220V power supply

Technical data

MPCX48A

CPU	Intel® Processor® C 120, 800MHz
2nd Level Cache	0/512kB
Chipset	Intel® 855GME
Memory	256MB (max. 1GB)
Hard drive	40GB, 2.5" (-20°C to +50°C)
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
Firewire IEEE1394	-
TV input/Frame grabber	BT878A, SVideo, 3 channels
LAN Port A (with LAN boot)	100/10Base-T (RJ45)
LAN Port B	-
LAN Port C	-
SCSI	-
Audio controller	AC97-2.3
Line output	Stereo
Line input/mic.	Stereo
SPDif output	yes
Option 1	WLAN MiniPCI
Option 2	Dual-CAN
Option 3	GSM
Option 4	GPS
Digital input/output	optional: 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 optional
Expansion	MiniPCI, no PC/104
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	-20°C to +50°C
Extended operating temperature	-40°C to +70°C (SSD, @ 600MHz)
Vibration/shock incl. HD/CD/DVD	1/10G
MTBF	60'000 hrs.
Operating systems	WIN2000, WIN XP, LINUX