



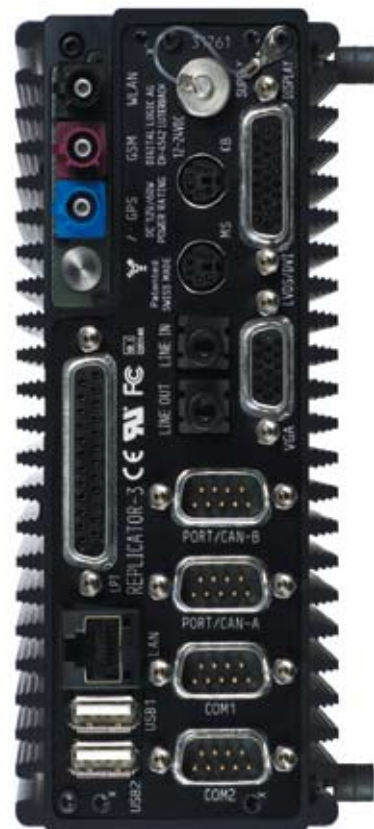
# MPCX47

The vehicle computer system with GPS/GSM option

This totally silent DIGITAL-LOGIC vehicle computer operates on the basis of the Intel® Pentium® M with passive cooling. The main focus is on in-vehicle installation, protection from moisture, vibration and extreme temperatures, replaceable storage media such as hard drive/CompactFlash (media packs) and different types of replicator (connecting technology). Galvanically isolated inputs and outputs and analogue measuring inputs are available for control purposes. Up to 2 different displays can be output via 3 video interfaces (DVI, VGA, LVDS). The MPCX47 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 in-vehicle installation
- \_ Measuring computer for vehicle testing
- \_ Communication computer with internal GSM, WLAN, LAN and GPS
- \_ All-weather (outdoor) use



## Ordering information

Item	No.	Description
MPCX47	814200	with SM855-P738 (1.4GHz), 512MB, without media pack, without replicator (with max. +50°C)
Upgrade	807362	Up to 1GB RAM
Downgrade	807356 807357	SM855-C120 (0.8GHz), max. +70°C SM855-C373 (1.0GHz), max. +70°C
Mediapack	01 02 03 04	814250 1x 40GB Ext. temp. HD+DVD/CD drive 814252 3x CompactFlash 814254 1x 40GB Ext. temp. HD 814256 2x 40GB Ext. temp. HD
Replicator	02 03 04	814222 Std.I/O & digital I/O see description on pg. 53 814224 Std.I/O see description on pg. 53 814226 MIL & IP65 see description on pg. 53
Option	814268 814262 814341 814153 814141 814264 814275 814272	814268 UPS battery 16Wh 814262 WLAN 814341 EDGE Quad-band GSM module 814153 GSM 814141 GPS 814264 Preheat für -40°C startup 814275 COM3/4 814272 CANpiggy251opto Vector

## Technical data

## MPCX47

<b>CPU</b>	Intel® Pentium® M 738, 1.4GHz
<b>2<sup>nd</sup> Level Cache</b>	2048kB
<b>Chipset</b>	Intel® 855GME
<b>Memory</b>	512MB (max. 1GB)
<b>Ext. temp. hard disk</b>	40GB, 2.5" (max. 80GB)
<b>Optical drive</b>	CD-RW/DVD-R drive
<b>Video controller</b>	Intel® 855GME
<b>Video memory</b>	64MB
<b>3D-Support</b>	DirectX 9
<b>Video interface 1</b>	QXGA
<b>Video interface 2</b>	DVI
<b>Video interface 3</b>	TV
<b>Resolution</b>	2048 x 1536 (@ 75Hz)
<b>Keyboard, mouse</b>	2x PS/2
<b>Serial interface COM1</b>	RS232C
<b>Serial interface COM2</b>	RS232C
<b>Serial interface COM3</b>	optional
<b>Serial interface COM4</b>	optional
<b>Parallel interface</b>	LPT
<b>USB V2.0</b>	2x back, 2x front
<b>Firewire IEEE1394</b>	2x back, 1x front
<b>TV input/Frame grabber</b>	BT878A, SVideo, 3 channels
<b>LAN Port A (with LAN boot)</b>	100/10Base-T (RJ45)
<b>LAN Port B</b>	-
<b>Analogue input</b>	8x 8-bit
<b>SCSI</b>	-
<b>Audio controller</b>	AC97-2.3
<b>Line output</b>	5.1 Sound
<b>Line input/mic.</b>	Stereo or 5.1
<b>SPDif output</b>	yes
<b>Option 1</b>	WLAN MiniPCI
<b>Option 2</b>	Dual-CAN
<b>Option 3</b>	GSM
<b>Option 4</b>	GPS
<b>Digital input/output</b>	8x isolated input, 8x relay output
<b>Remote power on/off</b>	yes
<b>Voltage input/power</b>	8V-30V DC / typ. 45W
<b>Plug-in power supply</b>	110/220V AC optional
<b>Expansion</b>	MiniPCI, PC/104-Plus
<b>Power save function</b>	Suspend/Resume, SoftOff, Instant On
<b>Conformity</b>	CE, FCC
<b>Protection class</b>	IP65
<b>Size (W x L x H in mm)</b>	159 x 300 x 66
<b>Weight</b>	4 kg
<b>Housing</b>	Aluminium
<b>Colour</b>	anthracite/black anodized
<b>Noise level</b>	<20dB(A)
<b>Operating temperature</b>	0°C to +50°C @ 1.4GHz
<b>Extended operating temperature</b>	-40°C to +70°C (SSD, @ 800/1000MHz)
<b>Vibration/shock incl. HD/CD/DVD</b>	1/10G
<b>MTBF</b>	60'000 hrs.
<b>Operating systems</b>	WIN2000, WIN XP, LINUX