



MPCX47

The versatile measurement technology vehicle computer

The MPCX47 is based on the Intel Pentium-M with 2 independent video displays (DVI, VGA, LVDS). For mass storage, a rugged hard drive (a flash disk is optional), a CompactFlash card and two USB memory stick brackets are built-in. The mass storage is service-friendly, being accessible from the front. Expansion options include COM3/4, CAN, GPS, GSM and WLAN. A robust aluminum profile integrates passive, fanless cooling for absolutely noiseless operation.

Applications

- _ Integration in cars, busses, trucks
- _ Mobile control and measurement technology (analog, digital)
- _ For 12-24V motor vehicle battery power supplies
- _ e1 certified

Ordering information

Item	No.	Description
MPCX47 Mediapack 1.	814250	MPCX-47 Mediapack 1 Harddisk 40MB DVD-R/CD-RW Combodrive
MPCX47 Mediapack 2.	814252	MPCX-47 Mediapack 2 No Harddisk, No CD 2x Slot CompactFlash
MPCX47 Mediapack 3.	814254	40GB HD Ext.Temp-E28, 1x CompFlash (2.Master), No CD/DVD assembled, DOS/Linux Bootimage incl.
Opt. MPCX47 WLAN	814262	WLAN card MiniPCI Intel (R) Pro 2915ABG
Opt. MPCX47 GSM/EDGE.	814154	GSM/EDGE 4-Band for MPCX47 Siemens MC75
Opt. MPCX47 GSM/UMTS	814156	GSM/UMTS for MPCX47 Siemens HC25
Opt. MPCX47 GPS Jupit.21	814141	MPCX47 GPS-Receiver Modul Jupiter 21
Opt. MPCX47 COM3/4.	814275	COM3,COM4 as RS-232
Opt. MPCX47 2xCAN Vector.	814271	2xVector CAN
Opt. MPCX47 2xCAN PEAK.	814269	2xPeak CAN
MPCX 47/48 Netzteil 3pol.	814380	Powersupply to MPCX47/48, Ignition=ON signal 90W / 19VDC, 3pol.
Powercord Euro	693061	2 wire for AC-Supply
Powercord USA/JP	693062	2 wire for AC-Supply
Powercord GB	693063	2 wire for AC-Supply
Buchse 3p. Kabel Zugentl.	439146	
MPCX DC Autokabel	814052	
MPC DC power cable 1m.	814054	power cable 1m for MPC systems (ignition signal)



Technical data

Type	MPCX47
CPU	Intel® Pentium® M 738, 1.4GHz
Chipset	Intel® 855GME
Memory	1GB
Ext. temp. hard drive¹⁾	40GB, 2.5"
Optical drive¹⁾	CD-RW/DVD-R drive (Mediapack 1)
Video controller	Intel® 855GME
Video memory	64MB
3D-Support	DirectX 9
Video interface 1	QXGA
Video interface 2	DVI
Video interface 3	TV
Resolution	2048 x 1536 (@ 75Hz)
Keyboard, mouse	2x PS/2
Serial interface COM1	RS232C
Serial interface COM2	RS232C
Serial interface COM3	Optional
Serial interface COM4	Optional
Parallel interface	LPT
USB V2.0	2x back, 2x front
Firewire IEEE1394	1x front, 1x back option
TV input/Frame grabber	BT878A, SVideo, 3 channels
LAN Port A (with LAN boot)	10/100BASE-T (RJ45)
LAN Port B	-
Analog Input	8x 8Bit
Audio controller	AC97-2.3
Line output	5.1 Sound
Line input/mic. input	Stereo or 5.1 + headset
Replicator	Typ. 3 (814224 included)
Option 1	WLAN MiniPCI
Option 2	Dual-CAN (814225)
Option 3	GSM
Option 4	GPS
Digital input/output	8x isol. in/8x relay out
Remote power on/off	yes
Voltage input/power	8V-30V DC / typ. 35W
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	IP54
Size (W x L x H in mm)	159 x 300 x 66
Weight	4 kg
Housing	Aluminium
Colour	anthracite/black anodized
Noise level	<20dB(A)
Operating temperature (with CD/HD)	0°C to +50°C @ 1.4GHz
Extended operating temperature (with CF)	-40°C to +70°C @ 1.4GHz (with SSD/CF)
Vibration/shock incl. HD/CD/DVD	1/10G
Vibration/shock incl. CF	16/150G
MTBF (25°C)	60'000h
For operating systems	WIN2000, WIN XP, LINUX
Part no.	814200

Manufactured separately as Mediapack.

DIGITAL-LOGIC
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