DeltaMobile-PC IV

Automotive Computing

The DeltaMobile-PC IV is a Mobile-PC, which is applicable for vehicles and other professional applications. Since it has been engineered for rugged ambient conditions, it is applicable for the testing of vehicles, for development issues as well as for professional use in vehicles.

CPU

Intel Pentium3 650-933MHz
Intel Celeron 300-750 MHz
VIA C3 400MHz bis 1GHz

Bulk Memory

2,5“ IDE-Harddisk
2,5“ IDE FlashDisk
CompactFlash-Disk
PCMCIA / Cardbus

RAM

32, 64, 128, 256, 512 MB
SDRAM,
SO-DIMM

Controls

Keyboard / Mouse PS/2, 2x Mini-DIN 6-pin

Operating System

WIN2000, WIN-CE, WIN-XP, WIN-XP embedded
Linux, Linux embedded
QNX, other operating systems on request

PC-Interfaces

Ethernet 10/100 Base-T, RJ45
Keyboard / Mouse PS/2, 1x Mini-DIN 6-pin
PCMCIA / Cardbus, 2 Slots Typ II
or 1 Slot Typ III
VGA/CRT Interface, 15-pin HD-Sub
COM1 RJ45 (not available in connection with GSM/ GPRS),
COM2 internal for GPS receiver
IDE-Hard Disk 2,5“ internal
Floppy Disk internal
4x USB (3x USB 2.0, 1x USB 1.1 bootable)
Audio Line-Out, Mic-In, 3,5mm jack
GPS receiver 16-channel / 4 Pos. per second
GSM/GPRS communication module optional

Technical Data

Power Supply 12/24VDC (8-28VDC)
with locked LEMO-Connector
Operation Temperature 0°C bis 60°C
Storage Temperature -20°C bis +70°C
wide temperature range on request
Outline Dimensions 258 x 214 x 61mm (LxWxD)
weight 1.750g

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Intel PentiumIII 650-933MHz, Intel Celeron 300-750 MHz, VIA C3 400MHz to 1 GHz can be integrated as CPU. 2 PCMCIA-slots are available for all PC card applications. The use of corresponding measurement cards is possible without any restrictions. For the mechanical relief of PC cards and their cable joints there are holders for strain relief brackets below the PCMCIA-Slots.
The GPS-Receiver (option) can be used for navigation and also allows a classification of measurement-data from the respective vehicle position.
An optional internal GSM/GPRS module offers furthermore possibilities of mobile telecommunication, SMS, internet access, e-mail functions, etc.

The system is controlled by automotive keyboards with integrated joystick, which are to be attached separately. External keyboard and mouse and/or mouse substitute are attached over PS/2 or USB.
With the integrated ethernet connection 10/100 base-T the system can be attached to a network within the stationary range or can be operated by an access point with wireless LAN.

1x USB V1.1 (bootable) and 3x USB V2.0 establish connectivity to the USB world.
The audio port shows the following interfaces: line-out, microphone in.
A VGA-CRT monitor or a LCD-monitor can be attached by a 15-pin HD sub connector.
One COM-interface (RS-232D) is available over RJ-45 socket.
Voltage supply may range from 8VDC to 28VDC and is carried out by a high-quality lockable LEMO connector.

The compact and durable design of the DeltaMobile-PC is particularly suitable for employment under extreme conditions. The housing is made from aluminium, the surface can be supplied with powder-coating or soft-touch coating.
The cascading of the system is also possible, so that several systems can be installed within a minimum of space.

Visualisation: (Option)

DeltaVarioMon II
sizes 6,3”, 6,5”, 8,4”, 10,4” 12,1”
Brightness control via potentiometer, touch screen surface optional via PS/2 interface
Aluminium housing with soft-touch coating
Input voltage: 7 to 32 VDC

DeltaVarioMon II 10,4“ XGA

DeltaVarioMon II 6,5“ VGA
Application public transport

Ordering Information:

PKKC3020
DELTA Mobile-PC IV, automotive mobile PC
PCMCIA/Compact Flash

PKKC3050
GPS-receiver 16-Channel without antenna

NDCX1011
buffered power supply
Vin:12VDC, Vout: 12VDC, Lead-Gel Akku as buffer

NASX3093
power supply unit for DeltaNav-PC / DeltaMobile-PC
Vin: 100-240VAC; Vout: 12VDC/4.1A with LEMO-connector

PZKE4266
cable for DeltaNav-PC / DeltaMobile-PC, length 2 m
LEMO-connector 12V siliconline/cigarette lighter

PZKE4267
cable for DeltaNav-PC / DeltaMobile-PC, length 2 m
LEMO- connector 12V siliconline/open ends

PSBX1029
Windows-XP professional

PSBX1200
Windows-2000 professional

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