

## Compact Panel-PC

### Fanless up to 1,66GHz Atom dual core!



- **Windows™ CE/XP/XPe**
- **Touch-screen infrared or resistive**
- **Scalable performance up to 1,66GHz dual core fanless!**
- **Ethernet, CANopen onboard**
- **Exchangeable CompactFlash™**
- **Profibus, MPI, Sercos1**
- **CoDeSys or STEP7 compatible**
- **Soft-PLC1**

The **embedded Touchpanels** of the **Combi-Line** offers as HMI with **Windows™ CE/XP/XPe** and the integrated Ethernet- and optionally fieldbus-interfaces a wide range of automation and networking options.

The device concept focuses on expandability and flexibility. So the devices can also be used in other range of applications like building automation, as Thin-Client or Web-Touchpanel.

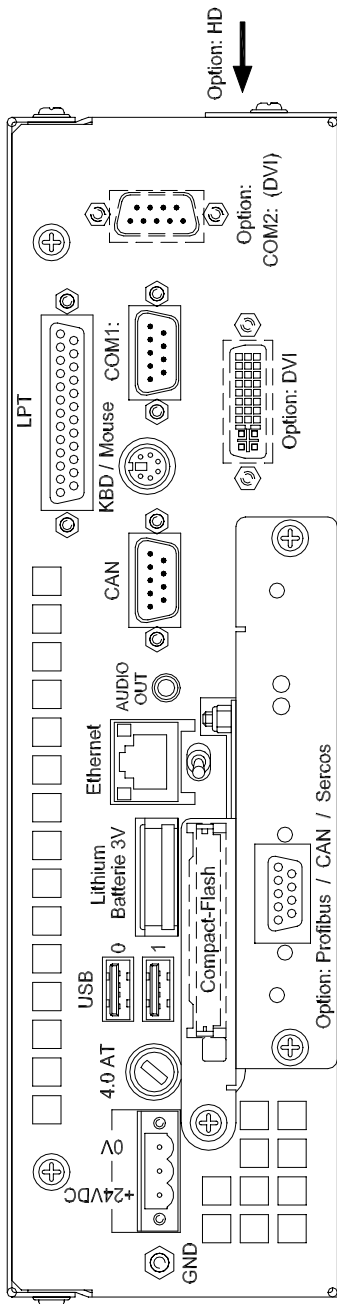
An exchangeable Compact-Flash™ is used as mass storage device. Without moving parts the devices are "at home" in rugged environment!

Thanks to the use of the ETX-standard the performance is scalable. New technologies or more powerful processors within the **ETX-standard** can be used directly. So the devices are prepared for future requirements and a long term availability is ensured.

For fast, intuitive and fatigue free operation two approved touch-screen technologies are available: the service free infrared touch-screen with scratch free safety glass or the seamless resistive touch-screen.

<sup>1</sup> Option

**Technical data**



<b>System</b>	
Processor	Geode LX800 or Atom1,66GHz N450/D510
Memory	256MB up to 2GB DDR2 RAM
Retainmemory	32kB
Data-/Program memory	exchangeable CompactFlash™ up to 16GB
Harddisk	optionally easy exchangeable 2,5" HD
<b>Display</b>	
Resolution	640x480, 800x600, 1024x768, 1280x1024
Type / Number of colours	Colour-TFT with 256k (18Bit)
Backlight	dimnable via software
Display area	10,4", 12", 15", 19"
<b>Touch</b>	
Infrared touch-screen	safety glass, non-reflective
Resistive touch-screen	seamless polyester/glass laminate
<b>Interfaces</b>	
CANopen	1 x CANopen 500kBit isolated
Ethernet	1 x 10/100MBit
Serial	1 x COM1, 1xCOM2 (BOX version)
Parallelport	1 x LPT
Mouse/Keyboard	1 x PS2
USB	2 x USB-Master
DVI	1 x Single Link DVI-D Standard (BOX version)
Option:	1 x PC104
CAN2	1 x CANopen <sup>3</sup> 500kBit isolated
Profibus	1 x DP Master/Slave/MPI <sup>2</sup>
Sercos	1 x Sercos-ring (LWL) 2-16MBit
<b>Operating system</b>	
WindowsCE™	CE5.0/6.0
Windows XP	XP / XP embedded
<b>Power supply</b>	
Rated voltage	24VDC, >= 15W
Voltage range	18,5...30,2VDC
<b>General Data</b>	
Operating climate	0..50°C vertical installation
	0..40°C tilted installation max. 35°
	10...90% rel. air humidity, non-condensing
Storage climate	-20...60°C
	10...90% rel. air humidity, non-condensing
Standards	CE-conformity, UL/cUL, EN50178, ATEX zone22
Degree of protection	IP65 front, IP20 rear
EMC class	EN61000-6-2, EN61000-6-3
Mounting form	installation housing/top hat rail (BOX version)
<b>Dimensions</b>	
W x H x D	BOX: 284 x 170 x 77 mm
	10,4": 345 x 260 x 109 mm
	12": 361 x 279 x 109 mm
	15": 427 x 332 x 109 mm
	19": 512 x 420 x 115 mm

<sup>2</sup> Optionally one of the interfaces useable