

Panel-PC 8000

Robust terminal for machine control





Panel-PC 8000

Panel-PC 8000 combines the flexibility of our industrial PCs with a rigid control and display panel. Due to its robust design, it is highly suited for machine control and HMI purposes.

Key Features



Robust terminal for the control of machines



Powerful and energy-saving Intel Atom processor



Expansion slots for individual adaption



Mounting arm attachment for flexible placement

Equipment and display

A 1.1 GHz Atom processor provides computing power at low energy consumption. There are 512 MB RAM available as well as an integrated SD-card with 2 GB for applications. The terminal contains a control and display panel for visualizing data and operating software tools. Consequently, Panel-PC 8000 is an ideal HMI.

Interfaces

The terminal provides two CAN channels with M12 plugs. External periphery like mouse or keyboard are simply connected via USB 2.0. It provides an ethernet port via M12 with a bandwidth of 100 Mbit/s.

Technical Data

CPU	Intel Atom CPU 1,1 GHz
RAM	512 MB
Memory	Internal SSD ATA SolidStateDrive-Flash, 512 MB Internal SD-Slot with integrated 2 GB SD-card Other SD-cards available upon enquiry
CAN	2x CAN interface via 2x M12 connectors (2x female)
USB	2x USB 2.0, Type A
Ethernet	1x Ethernet, 100 Mbit/s, M12
Supported CAN interfaces	CANUSB, CANfox®, others upon enquiry
Display	7"
Resolution	800x480, 262 colors
Touch	resistive
Surface	Anti glare and wide view
Buttons/Front foil	19 buttons incl. keypad and navigation
LEDs	2 LEDs for monitoring current supply errors
Dimensions (l×w×h)	308 mm × 283 mm × 80 mm
Storage temperature	-10 °C up to +55 °C
Operating temperature	0 °C up to +45 °C
Weight	3.0 kg
Housing	Plastic housing with support arm mount
Rel. Humidity	5 % – 95 % non-condensing
Protection class	IP65
Supply voltage	24 V DC ±20 % via CAN-M12 interface

Pin assignment



USB

1	VCC (VBUS)
2	- Data
3	+ Data
4	GND (Ground)



CAN 1 with VCC

1	CAN GND
2	24 V ±20 % Supply voltage
3	0 V Supply voltage
4	CAN High
5	CAN Low



CAN 2

1	CAN GND
2	-
3	-
4	CAN H (high)
5	CAN L (low)



Ethernet

1	Tx+ (transmit data +)
2	Rx+ (receive data +)
3	Tx- (transmit data -)
4	Rx- (receive data -)
5	Connector thread is shield

Order information

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Flexibility via PCI extensions

The two extension slots enable an integration of additional extensions. There are many different versions of extension cards available, much like our IPC-4: CAN, FireWire, digital and analog inputs and outputs, PROFI-BUS and many more functions can be integrated for a customer-specific solution. Panel-PC 8000 can therefore be used as a standard-HMI or as an individually tailored control system.

Robust design

HMI in production facilities might be exposed to temperature changes, splash water and mechanical forces. Panel-PC 8000 is designed to withstand such effects with the help of a robust design. No water can enter the housing. All connectors have an inward barrier. The foil keyboard with extra large buttons is made for bigger gloves. Finally, a wall mount arm can be used for having the terminal mounted outside of a control cabinet.





Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

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