

Industry PC iPC 10/20



Characteristics

- Universal Industry PC's
L 190 x W 200 x H 52 mm
- Sturdy aluminum housing
with feed brackets
- Energy-efficient and low-noise level
- Connection 12(24*)VDC
- Windows® compatible
- Ideal price/performance ratio

Technical Data

	iPC 10	iPC 20
CPU	Intel® Atom 230 1.6 GHz	Intel® Atom 330 2x1.6 GHz, DualCore
Formfaktor Mainboard	Mini-ITX	Mini-ITX
Main memory	DDR2 RAM ≥ 1GB	DDR2 RAM ≥ 1GB
Hard disks (S-ATA)	2½ inch ≥160 GB	2½ inch ≥160 GB
Graphic	Intel GMA 950	Intel GMA 950
Monitor	VGA	VGA
Audio	Realtek® High Definition Audio, 4 Channel	Intel® High Definition Audio, 6 Channel
LAN	1x10/100 Mbit/s	1 x 1,000 Mbit/s
Supply voltage	12(24*)VDC/60W	12(24*)VDC/60W
External connections	4xUSB 2.0, PS2 Keyboard/Mouse, Parallelport, RJ45, COM Port, Line Out, Line In, microphone	S-Video, 4xUSB 2.0, PS2 Keyboard/Mouse, Parallelport, RJ45, COM Port, Line Out, Line In, microphone
Options (Software)	Windows	Windows
Wall power supply (Option)	60W (Art.-No. 370215)	60W (Art.-No. 370215)
humidity	Max. 90% (non-condensing)	Max. 90% (non-condensing)
Ambinet temperature	0°C to 55°C	0°C to 55°C
Protection type	IP20	IP20
Weight	1.1 kg	1.1 kg
Dimensions WxDxH	200x190x52 mm	200x190x52 mm
Item no.	371065	371063

* optional

General

The universal industry PC's iPC10/ iPC20 are Windows compatible PCs at an ideal price/performance ratio, for applications in the industrial sector as well as home and office.

The supply voltage of 12(24*) V DC also allows the use in vehicles. With mounting holes arranged at a 90° angle a vertical or horizontal assembly is possible.

All connections are at the front, this especially eases the installation in the switch cabinet.

Technical specifications subject to change.

CAN-PC iSR 10/11



Characteristics

- CAN-CNC/SPS control on PC basis
- During the design of drive solution, especially flexibility of the drives and control is demanded. The iSR product family offers the perfect solution for this.
- The integrated CAN-Bus interface allows the access to final stage series iMD and CAN-I/O modules from isel as well as the world of CANopen devices.
- The numerous inputs and outputs as well as additional add-ons with Soft-SPS allows for almost any problem to be solved.

Technical Data

	iSR 10	iSR 11
CPU	Intel® Atom 230 1,6 GHz	Intel® Atom 230, 1,6 GHz
Formfaktor Mainboard	Mini ITX Mainboard	Mini ITX Mainboard
Main memory	DDR2-667RAM ≥ 1 GB	DDR2-667RAM ≥ 1 GB
Hard disks (S-ATA)	2½ inch ≥160 GB	2½ inch ≥160 GB
Graphic	on-board	on-board
Ethernet	1 on-board	1 on-board
USB	4 x USB 2.0	4 x USB 2.0
Supply voltage	12 (24*) VDC	12 (24*) VDC
External connections	1xVGA, 4xUSB 2.0, 3xAudio, 1xLAN, 1xRS232, 1xParallel, 2xPS2, 2(1)xCAN	1xVGA, 4xUSB 2.0, 3xAudio, 1xLAN, 1xRS232, 1xParallel, 2xPS2, 2(1)xCAN, I/O Voltage (24 VDC)
Options (Software)	Windows, ProNC	Windows, ProNC
Fieldbus	CAN-Bus 1-Channel Baud ratge up to 1 M-baud	CAN-Bus 1-channel Baud ratge up to 1 M-baud
I/O's		16 x digital inputs 8 x digital outputs 1 x 8 Bit analog output
Wall power supply (Option)	60W (Art.-No. 370215)	60W (Art.-No. 370215)
humidity	Max. 90% (non-condensing)	Max. 90% (non-condensing)
Ambinet temperature	0°C to 55°C	0°C to 55°C
Protection type	IP20	IP20
Dimensions	210 x 75 x 200 mm	210 x 75 x 200 mm
Item no.	371060	371061

* optional

Technical specifications subject to change.

General

The CAN PC's iSR10/11 are controlling computers on PC basis at an ideal price/performance ratio. The housings are optimized for the installation into the switch cabinet. They differ due to different equipment characteristics.

The iSR 10 forms the basis variant as the controlling computer with integrated 1-channel CANopen PCI card.

Based on this, the iSR11 has additionally an integrated I/O component with 16 digital inputs, 8 digital outputs and an 8 bit analog output.

These two CAN PC's field of application is mainly the control of CNC machines and in the field of automation technology. An alternative with the automation software CoDeSys is the preparation. The respective software is available at isel.

When combining different operating units, a high-performance control platform for different applications is obtained.

CNC control panel iBP 10 / 17



Figures:
10" and 17" CNC
control panel iBP
with wall and
table brackets

Characteristics

iBP 10

- 10" TFT Touchscreen Display
- 85 Key long stroke keyboard (IP20)
- Dimensions: W 300x L 240x H 360 mm
- Weight: approx. 10kg

iBP 17-1

- 17" TFT Touchscreen Display
- 102 Key silicon keyboard (IP65 with) integrated 2 button mouse pointer
- Dimensions: W 425x L 355x H 510 mm
- Weight: approx. 20kg

iBP 17-2

- 17" TFT Touchscreen Display
- 102 Key stainless steel keyboard (IP65 with) integrated 2 button mouse trackball
- Dimensions: W 425x L 355x H 510 mm
- Weight: approx. 20kg

General

The CNC control panels are sturdy and high-performance operating units for different applications in the industrial automation sector and much more. An external PC can be connected and operated via the standard lead-through connecting lines. All CNC control panels have an integrated touchscreen monitor, a keyboard and a control panel with stainless steel buttons and 2 channel emergency OFF switch for the operation of CNC machines. The different mounting option allow a wall as well as table installation. There are 3 manufactured sizes available.

General Features

- Sturdy metal housing with Aluminium face plates
- Pivot-mounted with wall and table brackets
- Simple connection of external PC systems
- Touchscreen monitor
- Sturdy and fail-safe housing
- Control panel with stainless steel buttons
- 2 Channel emergency OFF switch

Ordering information

10" CNC Control Panel iBP 10,
English keyboard

Item no.: **371070 0112**

17" CNC Control Panel iBP 17-1,
English silicon keyboard

Item no.: **371071 0112**

17" CNC Control Panel iBP 17-2,
English stainless steel keyboard

Item no.: **371072 0112**

Technical specifications subject to change.

CNC control terminal iBT 10 / 17



Figures:
10" and 17" CNC
control terminal iBT
with wall and
table brackets

Characteristics

iBT 10

- 10" TFT Touchscreen Display
- 85 Key long stroke keyboard (IP20)
- Dimensions: W 300x L 240x H 360 mm
- Weight: approx. 10kg

iBT 17-1

- 17" TFT Touchscreen Display
- 102 Key silicon keyboard (IP65 with) integrated 2 button mouse pointer
- Dimensions: W 425x L 355x H 510 mm
- Weight: approx. 20kg

iBT 17-2

- 17" TFT Touchscreen Display
- 102 Key stainless steel keyboard (IP65) with integrated 2 button mouse trackball
- Dimensions: W 425x L 355x H 510 mm
- Weight: approx. 20kg

General

The CNC control terminals are sturdy and high-performance operating units for different applications in the industrial automation sector and much more. All CNC control terminals have an integrated control computer (INTEL® ATOM Processor), touchscreen monitor, a keyboard and a control panel with stainless steel buttons and 2 channel emergency OFF switch for the operation of CNC machines. The different mounting option allow a wall as well as table installation. There are 3 manufactured sizes available.

Ordering information

10" CNC Control Panel iBT 10,
English keyboard

Item no.: **371073 0112**

17" CNC Control Panel iBT 17-1,
English silicon keyboard

Item no.: **371074 0112**

17" CNC Control Panel iBT 17-2,
English stainless steel keyboard

Item no.: **371075 0112**

Technical specifications subject to change.

General Features

- Sturdy metal housing with Aluminium face plates
- Pivot-mounted with wall and table brackets
- Integrated control computer:
 - * Intel® ATOM 230 1.6 GHz
 - * 1 GB RAM
 - * 8 GB flash memory
 - * 4 x USB 2.0
 - * 10/100 MBit LAN
 - * Realtek 4 Channel Audio
- Touchscreen monitor
- Sturdy and fail-safe housing
- Control panel with stainless steel buttons
- 2 Channel emergency OFF switch

Option:

- Hard drive