Saia PCD® Web Panel

Industrial control panel with the Windows® CE operating system

The Windows®-based Saia PCD® Web Panels are specifically designed for the requirements of web visualisations and preconfigured with all the relevant applications and software tools. Cumbersome installation and software updates are eliminated to allow the immediate use of the Saia PCD® Web Panels. Windows® CE applications can also be installed and used on the control panels.

The Web Panels are also available in display sizes 12" and 15" with a resolution of 1280 × 800 pixels. The Saia PCD® Web Panel CE PCD7.D5150WTA010 product family is equipped with Intel® Atom processors. An innovative CPU concept provides sufficient processing performance for demanding applications using a clock speed of 1.1 GHz and the embedded operating system Windows® CE. The efficient CPU design results in minimal power loss, enabling the processor to operate without a fan.

The Windows® CE6.0 is stored on an external SD card. Fanless CPU operation with no moving parts guarantees a 100% silent operation. The Web Panels are ideal for applications that place heavy demands on processor performance and where silent operation is equally important.

Typical applications are in home/building automation and industrial applications in harsh environments.

General specifications

Display/handling
- Resolution WXGA 1280 × 800 pixels
- Aspect ratio 16 : 10
- TFT technology with LED backlight
- Mounting: horizontal or vertical
- 12" and 15" colour display with 262,000 colours
- Resistive touch
- Protection class IP65 front/IP20 back
- Operating temperature: –10…50 °C

Communication
- 2 × Ethernet
- 2 × RS-232, 2 × RS-485 (combined ports)
- 3 × USB 2.0

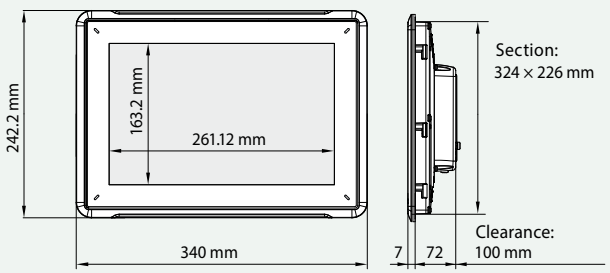
Processor / Server / OS
- Intel® Atom (1.1 GHz)
- 1 GByte RAM
- Web Server
- FTP Server
- File Server
- Windows® Embedded CE 6.0R3
- Onboard memory 4GB MLC SATA Solid State Disk (onboard)
- External memory: 2 GByte SD card (OS)

Software tool
- Saia PG5® Web Editor

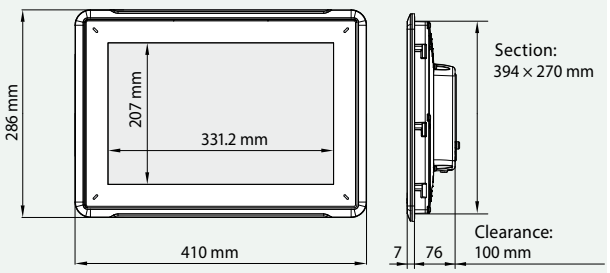
Browser
- SBC Micro Browser
- Applet Viewer
- Internet Explorer

Dimensions

12" panel



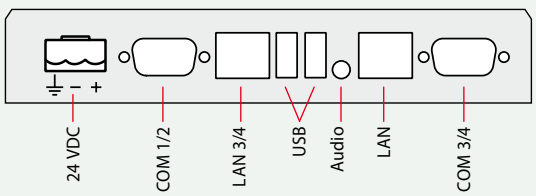
15" panel



Specifications

	PCD7.D5120WTA010	PCD7.D5150WTA010
Display (inches)	12″	15″
Technology/colours	TFT-LCD LED backlight 262,000	
Resolution	WXGA 1280 × 800	
Aspect ratio	16 : 10	
Brightness	400 cd / m²	450 cd / m²
Viewing angle	176°/176°	160°/140°
CPU/memory		
CPU	Intel® Atom 1.1 GHz	
RAM	1 GByte	
ROM	4 GByte MLC SATA Solid State Disk (onboard)	
External memory	1 slot: 2 GByte SD card (OS + applications)	
Interfaces		
Ethernet	1 × 10/100 Base RJ-45 1 × 10/100/1000 Base RJ-45	
Serial	2 × (RS-232 + RS-485 combined)	
USB	3 × USB 2.0 (500 mA)	
Dimensions/weight		
Dimensions W × H × D, in mm	340 × 242.2 × 79	410 × 286 × 83
Cut-out front W × H, in mm	324 × 226	394 × 270
Storage temperature	–20…+70 °C	
Power consumption at rated voltage	22 W	24 W
Weight	approx. 2.5 kg	approx. 3.6 kg
Operating system/browser/server		
Operating system	Windows® Embedded CE 6.0 R3	
Browser	Micro Browser/Internet Explorer	
.Net	.Net Compact Framework	
Saia.Net	Web-Connect/Web-HMI Server	

Connections



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