

PCD7.D543RF

4.3" TFT - ARM Cortex A8 - 300 MHz

- ► 4.3" TFT color display LED backlight
- ► 480 × 272 pixel (WVGA) resolution 64K colors
- ► Resistive touchscreen
- ► Ethernet port
- ▶ USB port



Highlights

They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation. PCD7.D543RF features a bright 4.3" TFT widescreen (16:9) display with a fully dimmable LED backlight.

It is an effective platform for running browser applications in the industrial environment. The powerful CPU and the efficient Linux with realtime extensions guarantee and optimal performance under the most demanding conditions.

Applications

- ► Building automation
- ► Infrastructure automation
- ► OEM

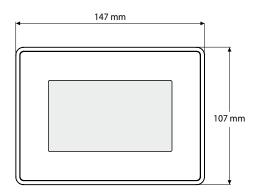


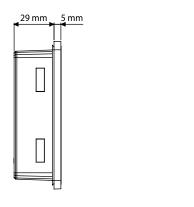


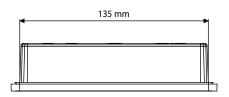


Data sheet | PCD7.D543RF www.sbc-support.com

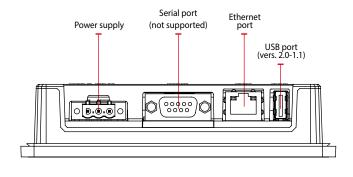
Technical Data

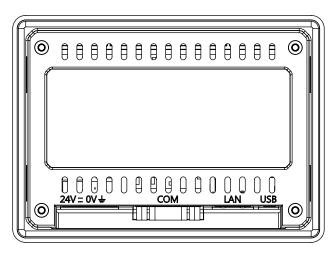






Display - Colors 4.3"TFT 16:9 - 64K Resolution 480 × 272 Brightness 200 Cd/m² typ. Dimming Yes Touchscreen Resistive CPU ARM Cortex-A8 - 1 GHz Operating System Linux 3.12 RAM 512 MB Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 050 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	System Resources	
Brightness 200 Cd/m² typ. Dimming Yes Touchscreen Resistive CPU ARM Cortex-A8 - 1 GHz Operating System Linux 3.12 RAM 512 MB Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Yes Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Display - Colors	4.3"TFT 16:9 - 64K
Dimming Yes Touchscreen Resistive CPU ARM Cortex-A8 - 1 GHz Operating System Linux 3.12 RAM 512 MB Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Yes Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity 5 85% RH, non condensing Protection Class Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Resolution	480 × 272
Touchscreen Resistive CPU ARM Cortex-A8 - 1 GHz Operating System Linux 3.12 RAM 512 MB Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Yes Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Brightness	200 Cd/m ² typ.
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Operating System Linux 3.12 RAM 512 MB Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption Input Protection Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth Qpers (Lass)	Touchscreen	Resistive
RAM	CPU	ARM Cortex-A8 - 1 GHz
Flash 4 GB Real Time Clock, RTC Back-up, Buzzer Yes Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 050 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 585% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Operating System	Linux 3.12
Real Time Clock, RTC Back-up, Buzzer Interface Ethernet port	RAM	512 MB
Interface Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp Operating Temp 0 50 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × B 136 × 96 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Flash	4 GB
Ethernet port 1 (port 0 - 10/100) USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 050 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Real Time Clock, RTC Back-up, Buzzer	Yes
USB port 1 (Host v. 2.0, max. 500 mA) Serial port Not supported SD card No Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Interface	
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Expansion No Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Serial port	Not supported
Ratings Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	SD card	No
Power supply 24 Vdc (10 to 32 Vdc) Current Consumption 0.25 A max. at 24 Vdc Input Protection Automatic Battery Yes (With Supercapacitor) Environment Conditions Operating Temp Operating Temp 0 50 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Expansion	No
Current Consumption Input Protection Battery Yes (With Supercapacitor) Environment Conditions Operating Temp O 50 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity Frotection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Ratings	
Input Protection Battery Yes (With Supercapacitor) Environment Conditions Operating Temp 050 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity Frotection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight	Power supply	24 Vdc (10 to 32 Vdc)
Battery Yes (With Supercapacitor) Environment Conditions 0 50 °C (vertical installation) Operating Temp 0 50 °C (vertical installation) Storage Temp -20 °C to +70 °C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Current Consumption	0.25 A max. at 24 Vdc
Environment Conditions Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Input Protection	Automatic
Operating Temp 0 50 °C (vertical installation) Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Battery	Yes (With Supercapacitor)
Storage Temp -20°C to +70°C Operating / Storage Humidity 5 85% RH, non condensing Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights Faceplate L × H Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Environment Conditions	
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Protection Class IP66 (front), IP20 (rear) / Type: 2, 4X Dimensions and Weights IA7 × 107 mm (5.78 × 4.21") Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Storage Temp	-20°C to +70°C
Dimensions and Weights Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Operating / Storage Humidity	5 85% RH, non condensing
Faceplate L × H 147 × 107 mm (5.78 × 4.21") Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Protection Class	IP66 (front), IP20 (rear) / Type: 2, 4X
Cutout A × B 136 × 96 mm (5.35 × 3.78") Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Dimensions and Weights	
Depth 29 + 5 mm (1.14 + 0.19") Weight Approx 0.4 Kg	Faceplate L × H	147 × 107 mm (5.78 × 4.21")
Weight Approx 0.4 Kg	Cutout A × B	136 × 96 mm (5.35 × 3.78")
<u> </u>	Depth	29 + 5 mm (1.14 + 0.19")
Approvals	Weight	Approx 0.4 Kg
F F	Approvals	
CE Emission EN 61000-6-4, Immunity EN 61000-6-2	CE	
for installation in industrial environments		
Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments		
UL Pending	UI	





Ordering information

Part Number	Туре	Description
PCD7.D543RF	4.3" HTML5 Web Panel, resistive touch	4.3" HTML5 Web Panel, TFT color, 480 × 272 pixel, resistive touch screen, 1 Ethernet port, 1 USB host port

Saia-Burgess Controls AG

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