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SAIA BURGESS CONTROLS

# PCD7.D510CF

## 10.1" TFT – ARM Cortex A9 Dual Core
## 3 Ethernet, 2 USB ports

► 10.1" TFT color display
  resolution 1280 × 800 pixel
  16M colors
  Dimmable LED backlight

► Projected capacitive touchscreen
  True glass design
  Multitouch operation

► 3 Ethernet ports

## Advantages

► High Cyber Security Level.
  Protection from unauthorized accesses

► Modern HTML5 Browser based on Linux

► High quality, industrial grade. Long life cycle > 10 year

► Controllers, HMI and tools are harmonized and tested together

► HTML5 Chromium Browser to access PCD Web-Server or Saia PCD Supervisor

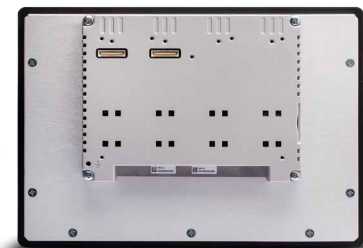► Compatible with HTML5 Web-Editor Projects

## Applications

► Building automation

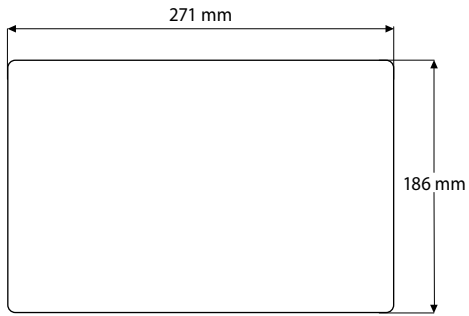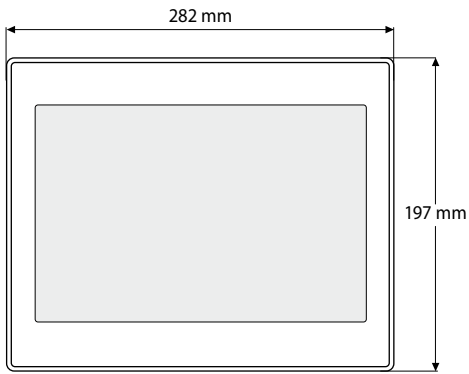► Infrastructure automation

► OEM

## Highlights

The PCD7.D5xxCF Series HMI products combine state-of-the-art connectivity features and top performance in a great design.

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.
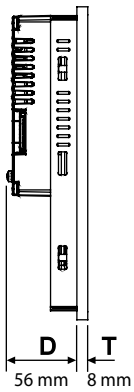
The glass projected capacitive touchscreen and the brilliant 10.1" widescreen display with resolution of 1280 × 800 guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.
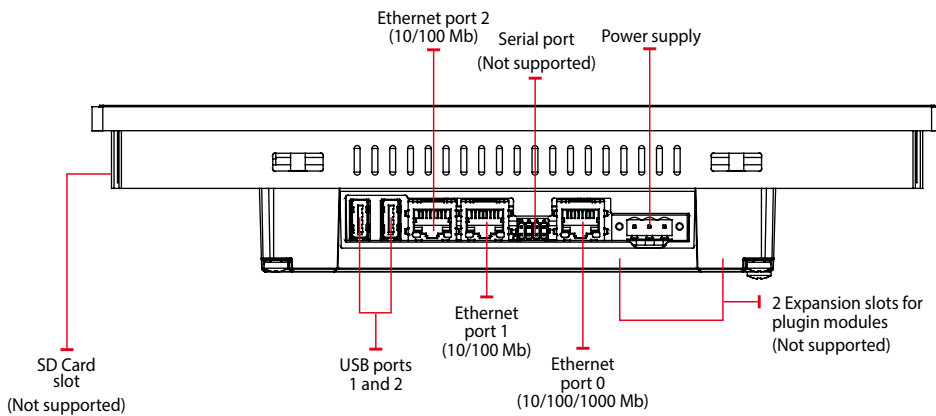
## Technical Data

**282 mm**

**197 mm**

**271 mm**

**186 mm**

Cut-out

**D** **T**
**56 mm** **8 mm**

| System Resources | |
|---|---|
| Display - Colors | 10.1" TFT 16:9 LED - 16M |
| Resolution | 1280 × 800, WXGA |
| Brightness | 500 Cd/m² typ. |
| Dimming | to 0% |
| Touchscreen | True Glass Projected Capacitive, Multitouch |
| CPU | ARM Cortex-A9 dual core 800 MHz |
| Operating System | Linux RT |
| RAM | 1 GB |
| Flash | 4 GB |
| Real Time Clock, RTC Back-up, Buzzer | Yes |
| **Interface** | |
| Ethernet port | 3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100) |
| USB port | 2 (Host V2.0, max. 500 mA) |
| Serial port | Not supported |
| SD card | Not supported |
| Expansion | Not supported |
| **Ratings** | |
| Power supply | 24 Vdc (10 to 32 Vdc) |
| Current Consumption | 1.0 A at 24 Vdc (max.) |
| Input Protection | Electronic |
| Battery | Rechargeable Lithium battery, not user-replaceable |
| **Environment Conditions** | |
| Operating Temp | −20° … +60 °C (vertical installation) USB devices may limit max temperature to +50 °C |
| Storage Temp | −20°C … +70°C |
| Operating / Storage Humidity | 5 … 85% RH, non condensing |
| Protection Class | IP66 (front), IP20 (rear); Type: 12, 4X |
| Dimensions and Weights | |
| Faceplate LxH | 282 × 197 mm (11.10 × 7.80") |
| Cutout AxB | 271 × 186 mm (10.67 × 7.32") |
| Depth D+T | 56 + 8 mm (2.20 + 0.33") |
| Weight | 2.5 kg |
| **Approvals** | |
| CE | Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments |
| UL | Pending |

Ethernet port 2
(10/100 Mb)

Serial port
(Not supported)

Power supply

SD Card
slot
(Not supported)

USB ports
1 and 2

Ethernet
port 1
(10/100 Mb)

Ethernet
port 0
(10/100/1000 Mb)

2 Expansion slots for
plugin modules
(Not supported)

## Ordering information

| Part Number | Type | Description |
|---|---|---|
| PCD7.D510CF | 10.1" HTML5 Web Panel, capacitive touch | 10.1" HTML5 Web Panel, TFT color, 1280 × 800 pixel, capacitive multi touch screen, 3 Ethernet port, 2 USB host port |

**Honeywell** | Partner Channel