

PANEL-PC-A-.....

Quick Installation Guide

SKU/Order No. : SA-PA-.....

Address of the manufacturer:

SALZ Automation GmbH

Max-Planck-Str. 64

32107 Bad Salzufflen, Germany

Email: support@salz-automation.com



Overview

PANEL-PC-A-..... is an industrial panel pc with a capacitive TFT LCD touchscreen. It comes with pre-installed Automation-Browser. Power Supply 24V DC.

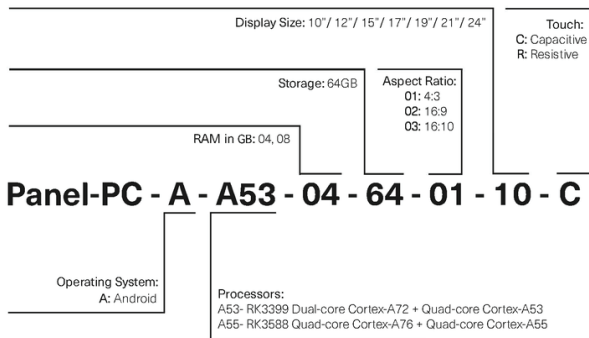
Function:

TFT LCD WebPanel, 24V DC power supply, IP65 compact fanless housing, Wi-fi etc.

Package Content:

- Industrial Panel PC
- Power adapter x1
- Power connection cable x1
- Installation accessories x1
- Quick Installation Guide x1

1. Nomenclature



Legend of Configuration for the PANEL-PC-A-.....:

No.	Component	Description
1	Power Terminal	Coaxial power connector (5,5 x 2,5 mm): 12 ... 36 VDC Screw terminal: 12 ... 36 VDC
2	RJ45 Ethernet	1x RJ-45 Gigabit Ethernet (2 in Windows PC)
3	HDMI	Digital interface for a monitor with audio output.
4	Chassis Ground	Screw to fix the shielding ground connection.
5	SIM / SD Card	1xSIM card slot, 1xTF/SD card slot
6	Power Button	Button for PC power function.
7	Audio	1x3.5mm Audio output interface
8	Serial Ports	1x RS-232 DB-9
9	USB Ports	(A/L)- 1x USB 3.0 Typ A, 1x USB 2.0 (USB/OTG) (W)- 2x USB 3.0 Typ A, 2x USB 2.0 (USB/OTG)
10	Phoenix Plug	12 Pin-Screw Connector: 1x RS-485, 1x RS-232, 5x GPIO
11	Bluetooth	1x Bluetooth 5.0
12	VGA	1x VGA (only in W)

2. Wiring Power Input

The PANEL-PC-A-..... offers two options for power supply:

1. 12-pin terminal block for 12–36 VDC,
2. Socket for 12–36 VDC via external power adapter (coaxial)

Connecting the Power:

12-pin Terminal Block (12–36 VDC):

- Connect the "+" wire from your DC power source to the "12–36V" input on the terminal block, and the "-" wire to the "GND" input.
- To avoid potential differences and possible damage to the USB ports, never connect the Panel PC to multiple devices with different ground potentials.



Socket for 12–36 VDC (External Power Adapter):



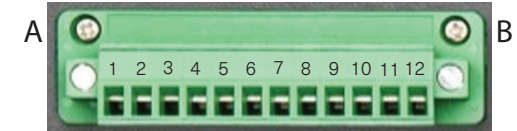
For connection to 230 VAC mains, use the external power adapter available as an accessory. Only use the recommended power adapter. This is not included in the standard delivery.



Caution:

Never use both power connections at the same time. Doing so may cause damage to the device.

3. 12-pin Terminal Block

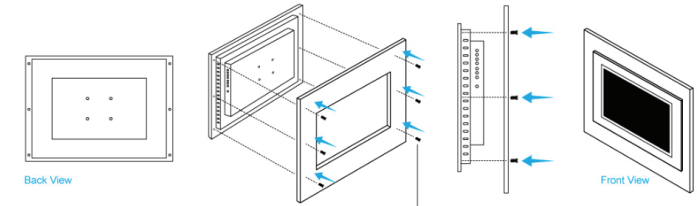


Pin	Description
1	12–36 V DC (Power Supply)
2	GND (Power Supply)
3	GND
4	RS232 TX
5	RS232 RX
6	RS485 A
7	RS485 B
8	IO0 (TTL)
9	IO1 (TTL)
10	IO2 (TTL)
11	IO3 (TTL)
12	IO4 (TTL)

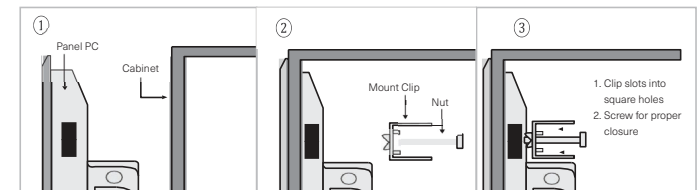
4. Mounting

Panel Mounting

- **VESA Mounting:** Attach the panel PC to a wall, stand, or arm using standard VESA mounts (100 x 100 mm and/or 75 x 75 mm).



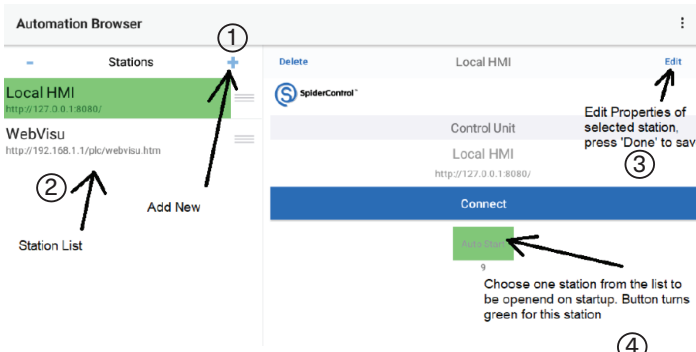
- **Other Common Methods:** Depending on your model, options may also include wall mounting, desktop mounting, open frame, cantilever, or DIN rail installation



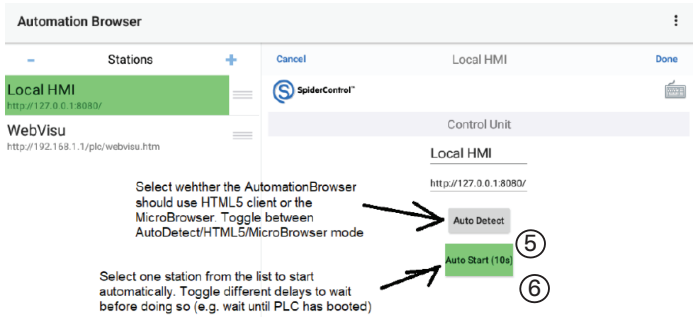
Use a rigid mounting frame and follow the cutout dimensions from the data sheet. Secure the monitor with all supplied brackets, seals, and screws (tightening torque: 0.294–0.441 Nm). Ensure at least 3 cm clearance on all sides for ventilation, and keep the ambient temperature between -10°C and 60°C

5. GUI Info

Home Screen:



1. Add new Virtualisation.
2. List of the Virtualisations.
3. Edit properties of selected station. Press 'DONE' to save.
4. Choose one station from the list to be opened on startup. Button turns green for this station.

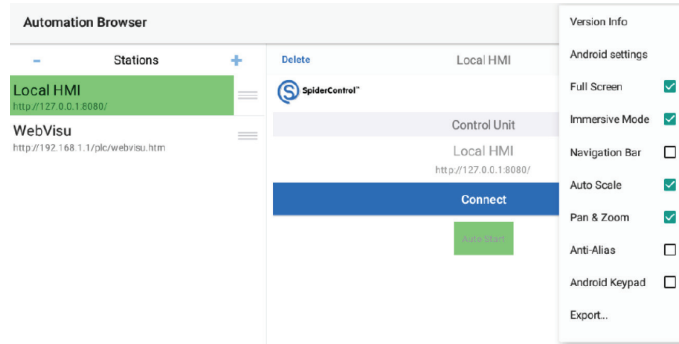


5. Select whether the AutomationBrowser should use HTML5 client or the MicroBrowser. Toggle between your choices.
6. Select one station from list to start automatically. Toggle different ways to wait before doing so.



Note: When you are using any application on the panel PC, pressing and holding the blank part of touchscreen for approximately 10 seconds will automatically take you back to the Home Screen. This feature allows for quick navigation and easy access to the main interface.

Settings:



1. Android Settings: Enter Android Settings to modify IP Address and other network related parameters. This is useful when the Automation Browser is in Home Screen mode and the user has no access to other Apps.
2. Full Screen: Full-screen is only used to remove the status bar in the top of the screen.
3. Immersive-Mode: Immersive-Mode is used to remove both status bar and the task bar in the bottom of the screen (restore task bar with a swipe up from the bottom of the screen)
4. Navigation Bar: This is only used in HTML 5 mode to show a control bar in the top of the screen, to navigate with previous and next buttons, to refresh the view or to come back in the home view.
5. Auto-scale: - MicroBrowser: The view will automatically de-re-scaled to fit the screen (isotropic, keep width/height ratio) - HTML 5: It's not really re-scaled on the view, since it depends on the HTML page. But it will activate an option of the WebView control to fit the screen.
6. Pan & Zoom: -MicroBrowser: enable/disable panning and zooming of the view. -HTML 5: Unused, this option is handled in the HTML code
7. Anti-Alias: - MicroBrowser: Improve the rendering with anti-alias if the device does not already support this feature in hardware accelerator. In most devices we don't need to activate this option. - HTML 5: Unused
8. Android Keypad:- MicroBrowser: Either show the Android Keypad to edit a value or use the Keypad/alpha pad TEQ files - HTML 5: Unused
9. Export: Export station list.
10. Import: Import Station list.
11. PIN Code: PIN code is used to prevent any modification from operator user. The password is needed to change anything. This feature allows for locking up the operator panel to avoid a user to modify settings or to exit the App ('Kiosk Mode).
12. Close the menu.

6. Environmental limits

Operating Temperature	-10 ... 60 °C
Storage Temperature	-20 ... 75 °C
Ambient relative humidity	10 ... 80% @ 40 °C (non condensing)



Ensure all local and national electrical standards are followed during installation

7. Safety Instructions

Power Supply:

- Use a DC output (12–32 VDC) that meets SELV (Safety Extra-Low Voltage) requirements. If using multiple power sources, ensure they share the same voltage.

Powering On:

- Connect and power on the device properly. If the display does not start within 5 seconds, turn it off and check wiring.

Overvoltage Protection:

- Use proper isolation between DC power sources and the main supply to prevent hazards.

Emergency Stop:

- Install a fixed emergency stop (NOT-AUS) in every system as per safety guidelines.

Power Supply Conditions:

- Only use non-inductive loads and ensure the power supply can deliver enough current for the monitor.

Wiring:

- Keep cable lengths short (max. 500m shielded, 300m unshielded).
- Use surge protection if cables are exposed to lightning or overvoltage.
- Separate AC and DC power cables.
- Add a resistor and capacitor in parallel between ground and enclosure to prevent static and high-frequency losses (typical: 1M Ω and 4,700pF)

If you have any questions, need technical support, or encounter any issues with your device, please visit our website for detailed resources and assistance.

You can reach our support team directly through the "Contact Us" page, where you'll find our email address, phone number, and a contact form.

We are committed to providing prompt and helpful service—don't hesitate to get in touch if you need any help.