SALZ AUTOMATION

EDGE IPC UNO-127 8GB PURE
Quick Installation Guide

SKU/Order No. : SA-UNO-127-E23BA (8GB)

Address of the manufacturer:
SALZ Automation GmbH
Max-Planck-Str. 64
32107 Bad Salzuflen, Germany
Email: support@salz-automation.com

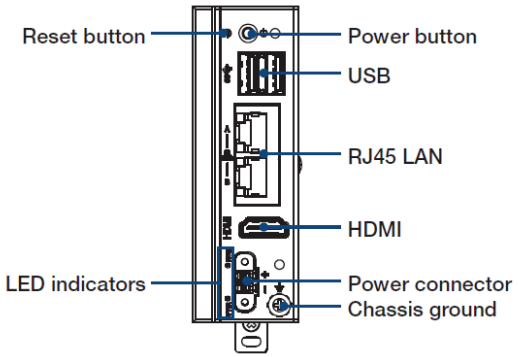
Overview

Compact, Fan-less Edge Controller with Intel® Atom® Processor, SALZ Automation Software- PURE/FLECS, 8GB RAM, 64GB eMMC, 2 x LAN, 2 x USB, and 1 x HDMI

Function
Intel® Atom® x6413E processor, 8 GB DDR4 RAM, 64 GB eMMC storage, 256 GB SSD, 2 x LAN, 2 x USB, and 1 x HDMI, 1 x full-size mini PCIe

1. Frontview

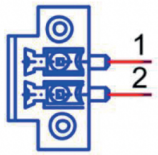
Front View of EDGE IPC UNO-127 8GB PURE



Legend of Configuration for the EDGE IPC UNO-127 8GB PURE CPU Module

No.	Component	Description
1	USB Ports	Interfaces USB 3.2 for peripherals such as mouse.
2	RJ45 Ethernet	Connecting to local networks, internet or EtherCAT.
3	HDMI	Digital interface for a monitor with audio output.
4	Chassis Ground	Screw to fix the shielding ground connection.
5	Reset Button	Hidden button for PC hardware reset function.
6	Power Button	Button for PC power function.
7	PWR/RUN LEDs	Diagnostic LEDs for CPU module.
8	Power Terminal	2-pin terminal for 24 V DC power.

2. Wiring Power Input



No.	Name	Function
1	+	Power IN V+ (24 V DC)
2	-	Power IN V- (GND)

1. Accessing the Software

Once turned on, the controller can be accessed by ethernet ports. Connect the PC to the controller to one of the two ethernet ports.
Port **1**: DHCP / Port **2**: Static IP- address **192.168.221.10**
Open the internet browser to access the dashboard using the IP.

3. Environmental limits

Operating Temperature	-20 ... 60 °C @ 5 ... 85% RH with 0.7 m/s airflow (without expansion) -20 ... 55 °C @ 5 ... 85% RH with 0.7 m/s airflow (with mPCIe + EtherCAT expansion)
Storage Temperature	-40 ... 85 °C (-40 ... 185 °F)
Ambient relative humidity	10 ... 95% @ 40 °C (non condensing)

4. Software Details and Configuration

Overview

This quick installation guide will explain the operation of the software SALZ Automaiton System Software “PURE”.
‘PURE’ is the primary software for the AMAX 80-C and AMAX 70 and UNO-127 controllers from SALZ Automation. The PURE version comes pre-insatlled in the controllers and is easy to understand and work with. It can be accessed by using the specific IP in the internet browser on the PC. The GUI is user friendly, containing info-graphic components for optimal usage.

With ‘PURE’ the automation system is made independent of internet at least when it comes to installing the required applications. Automation software/applications can be installed by using a USB flash drive or using locally stored files on your PC.
This quick installation guide will walk you through the processes and methods of using the software efficienty and conveniently.

For information not addressed in this document visit www.salz-automation.com or contact us at hello@salz-automation.com.

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Default Credentials:

Username	admin
Password	changeme

2. User Options

User options can be found after clicking ‘ ’ on the top right corner of the browser. You can ‘Change User Password’ and ‘Create User’ in this window.

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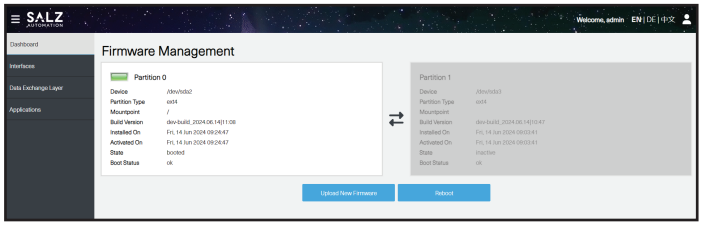
3. Dashboard

The Dashboard contains, CPU, Memory, and Disk usage. It also has a realtime graphical representation of the same.
App summary shows you the installed applications and their status.
System Information gives you the deatils of the firmware and the ability to manage/change it.

4. Firmware Management



SALZ controllers have two memory partitions where two different verisons of firmware can be installed. Switching between the firmware is easy and can be done with only one click.

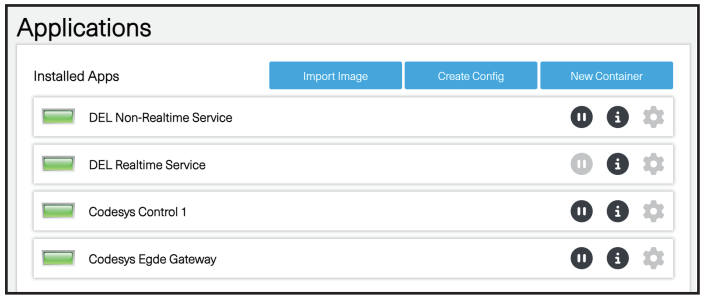
- A firmware update is uploaded on the active memory partition.
- The existing firmware version moves to the inactive memory partition once the new firmware is uploaded.

5. Interfaces

This section contains 'Network Connection Settings' where the configuration of Backplane, Port 1, and Port 2 of the controller can be edited.

6. Applications

This section contains an overview of the installed applications on the controller.



This button lets you stop the application.
This button gives you information of the individual apps.
This button lets is to edit the settings of the application.

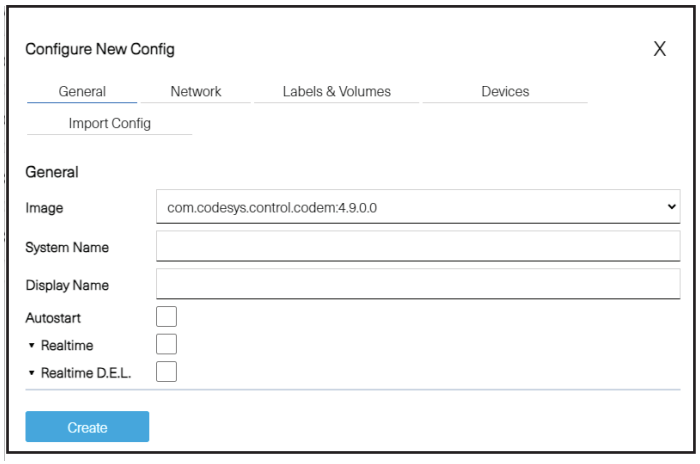
6.1 Import Image Button

This option allows you to import the images of the applications (.tar files) on the container from your local device, USB etc.
The source of the images can be the SALZ Automation website or the dockerhub desktop application as well.

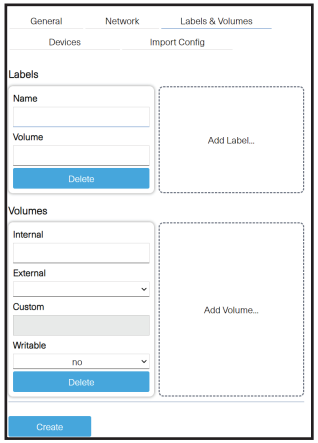
For more information on this visit:
Learn about SALZ Software Center

6.2 Create Config Button

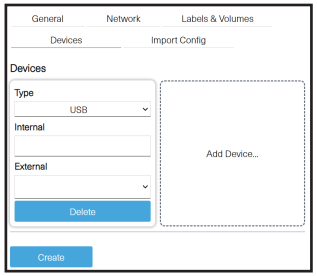
This optinon lets you create configuration file (.json) for the image of your choice.



6.2.1- General: Select image, give it system and display name.
6.2.2- Network: Set the 'Ports' and 'Network' infrastructure.
6.2.3- Labels & Volumes:



6.2.4- Devices:



6.2.5- Import Config:

Steps 6.2.3 lets you set labels and volumes, 6.2.4 lets you set the device confurations, and with 6.2.5 you can easily import the configuration files customised by you.

6.3 New Container Button

This option allows you to create containers from the imported images. Multiple instances/containers can be created from one single image imported in the controller.

- 1: Select the image for which you want to create a container.
- 2: Create or import the configurations as shown in 6.2.
- 3: Click 'Create'.

Visit www.salzautomation.com for more information.