ELYNKON®

Elynkon Edge Server

I63

User Manual

Release Notes

No.	Description of Changes	Version	Date
1	First draft	V1.0	2026-06-04
2	+ 3.2.2. Elynkon Desktop Application	V1.1	2026-06-05

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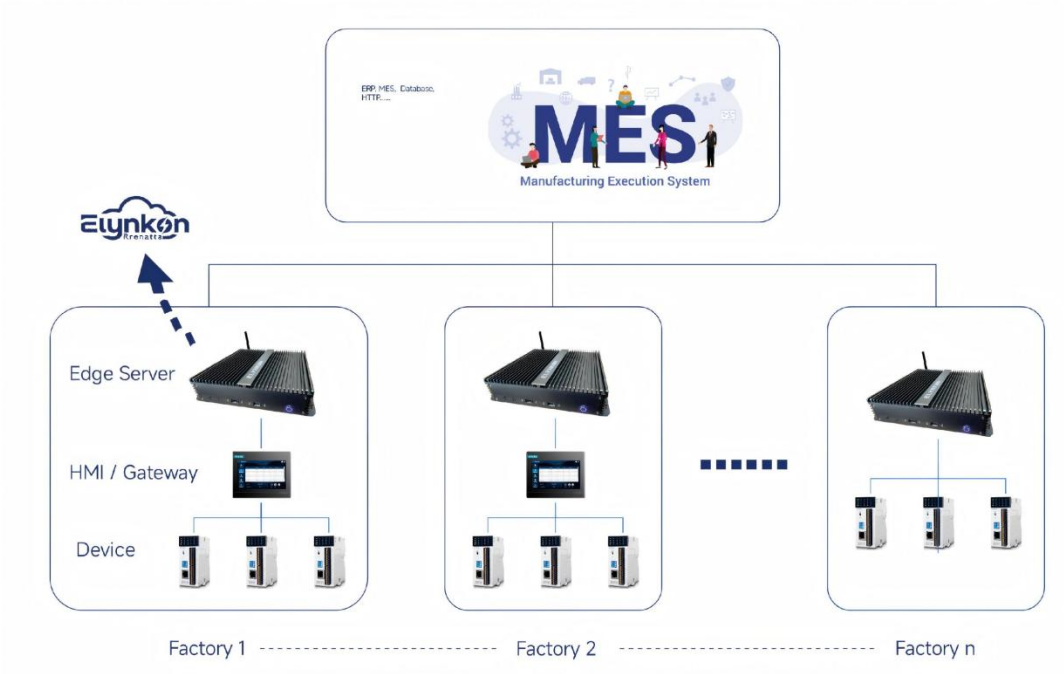
Elynkon Edge Server I63

1. Product Overview

Elynkon Edge Server I63 is a mini server privately deployed at the network edge, close to IoT terminals and field data sources.

Edge server I63 is not only a server integrates with supervisory-level devices such as HMIs, gateways, and SCADA systems, but also acquires data directly from PLCs in the control layer via protocols such as Modbus and OPC UA. By providing edge-side preprocessing, storage, and visualization, it converts raw field data into actionable insights—effectively bridging the traditional divide between Operational Technology (OT) and Information Technology (IT).



2. Product Information

2.1. Model Type

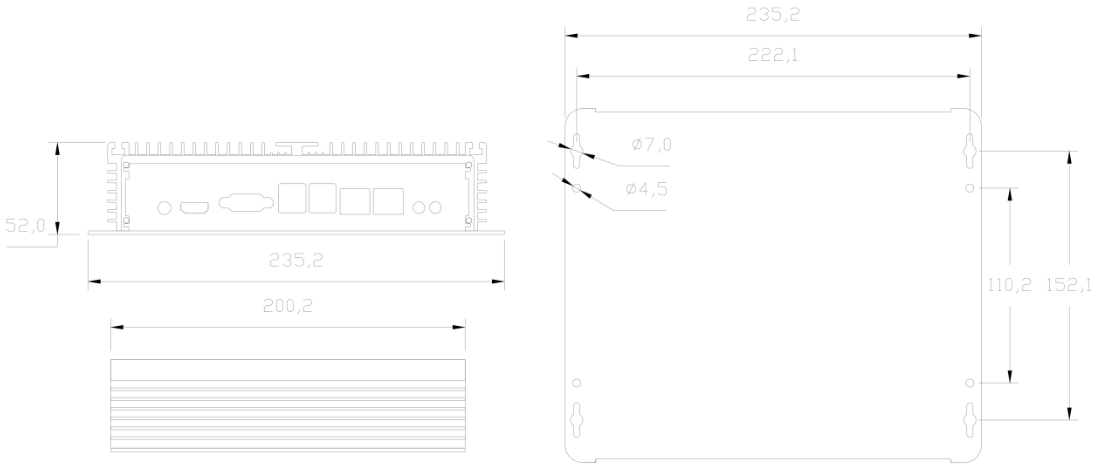
Product	Type	Specification
Edge Server	RN-ES-I63	Intel i3 6th Gen Processor + DDR4 8GB RAM / 1TB SSD / 1 HDMI + 1 VGA / 2*Ethernet Ports / WiFi / 4* USB

2.2. Specifications

System	
Processor	Intel Core i3 processor
OS	Linux
Memory	DDR4 2400MHz,8GB
Storage	1TB
External I/O	
Ethernet	2*RJ45 10/100/1000Mpbs Realtek (or Intel)
Video	1*VGA、1*HDMI
USB	4*USB (2*USB2.0、2*USB3.0)
Audio	1*Audio (Line-out@Mic-in 2 in 1)
WiFi	Supported
Mechanical	
Case	Formed from a single piece of aluminum alloy via custom tooling
Mounting	Embedded installation
Dimension	235*200*52
Weight	1.5Kg
Environment	
Operation Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
Relative Humidity	5%～95%, Non-condensing
Power	
Power Input	DC12V @5A

2.3. External Dimensions

The external dimensions of the edge server I63 are shown below.



3. Product Configuration

3.1. Default Network Parameters

- LAN Port 1 (enp1s0)

IPv4 Method: Manual
IP Address: 192.168.1.63
Net Mask: 255.255.0.0
Gateway: 192.168.1.1

- LAN Port 2 (enp2s0)

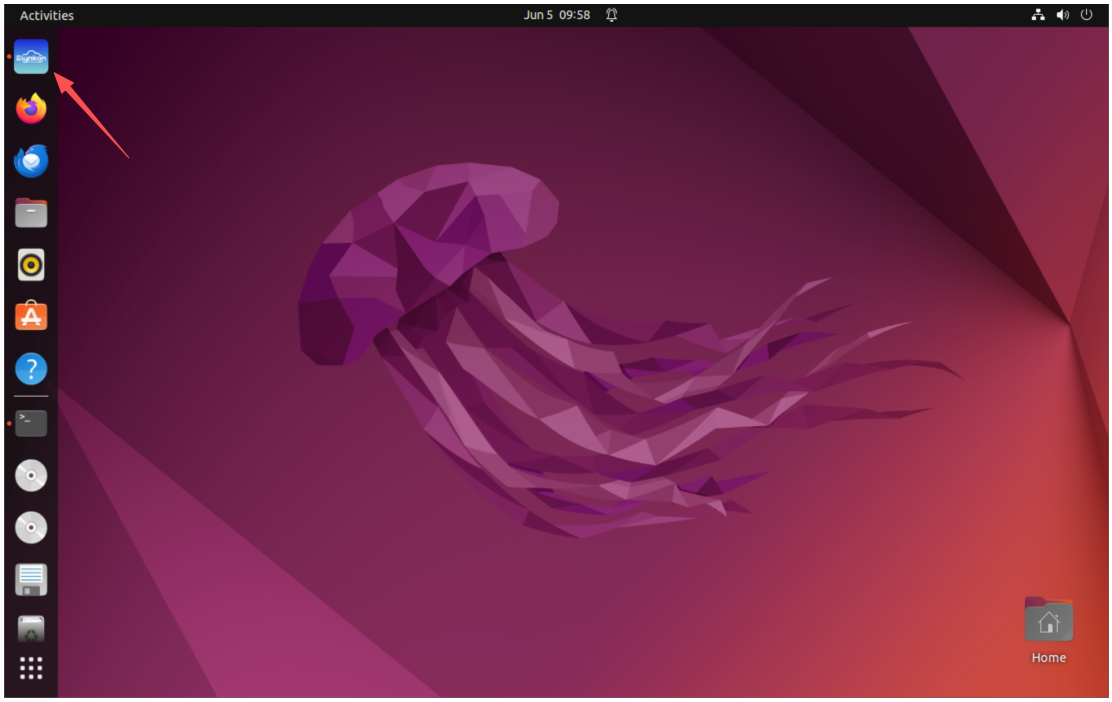
IPv4 Method: Automatic (DHCP)

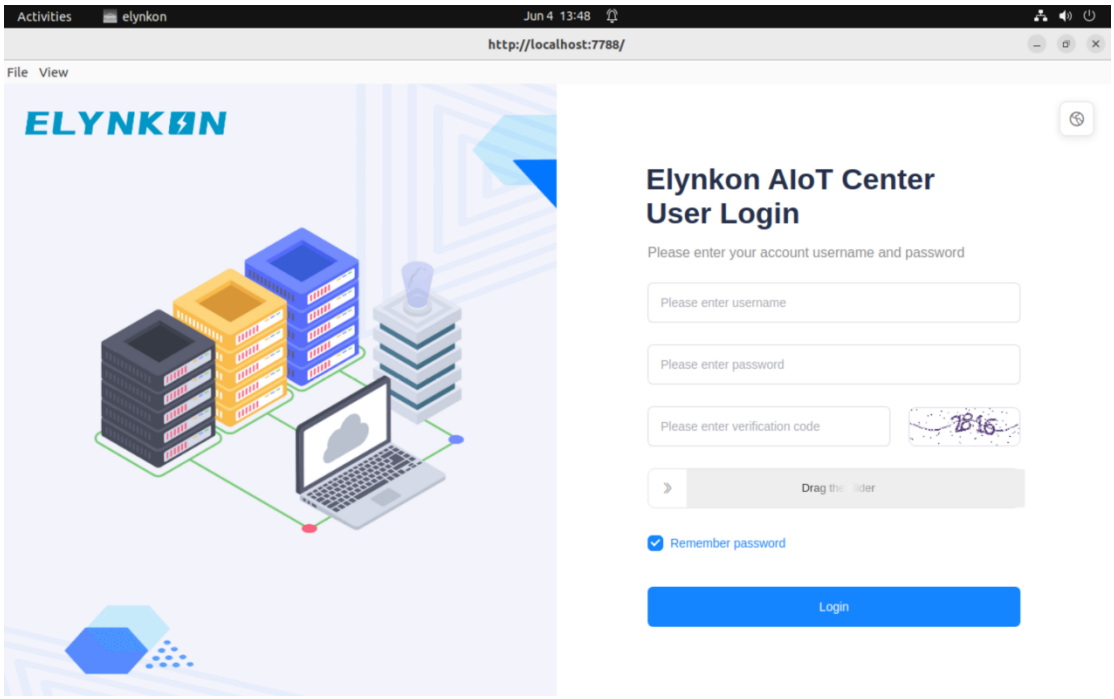
3.2. Accessing the Server

3.2.1. Local Console (HDMI)

Connect a monitor, mouse, and keyboard to the server's HDMI and USB ports. The server must be connected to a network (LAN or Internet) for the service to function properly.

On the Ubuntu desktop, click the **Elynkon** icon in the dock to open the service interface. This application provides direct access to the service interface in a dedicated window.





3.2.2. Elynkon Desktop Application

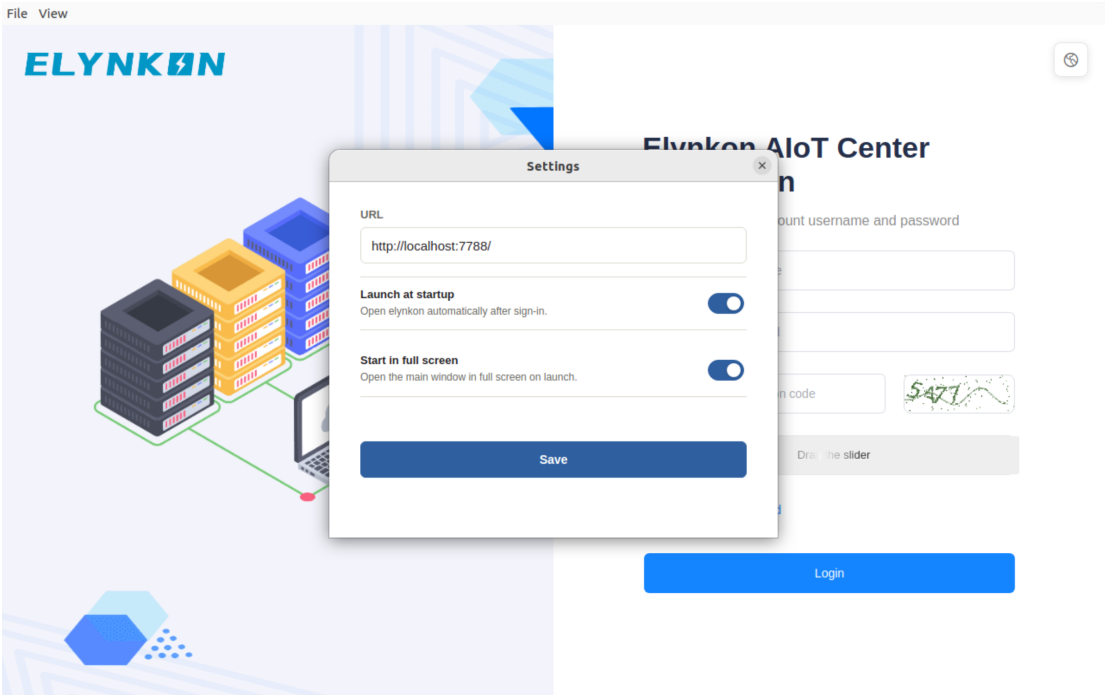
The Elynkon application is pre-installed on the server's system and provides direct access to the service interface.

Once the system has started and you are logged into the Ubuntu desktop, you will find the Elynkon icon in the dock (the application launcher bar). Clicking this icon opens a dedicated window that connects to the server's service. It is a standalone application

with built-in browser functionality, so you do not need to open a separate web browser to access the service.

After opening Elynkon, you will be taken directly to the service login page. For instructions on signing in and default credentials, please refer to section **3.3 Logging In to the Service.**

The application also offers these useful configuration options:



- **Custom URL:** By default, the application connects to the local service at http://localhost:7788. You can change this to any address by going to File > Settings and entering the desired URL.

- **Startup behavior:** In the same Settings window, you can enable **Launch at Startup** so that the application launches automatically after system startup.

Note: The desktop application may start before the background Elynkon service is fully ready. In this case, you might briefly see a connection failure message. The application will automatically retry and establish the connection within 10 seconds — no manual action is needed.

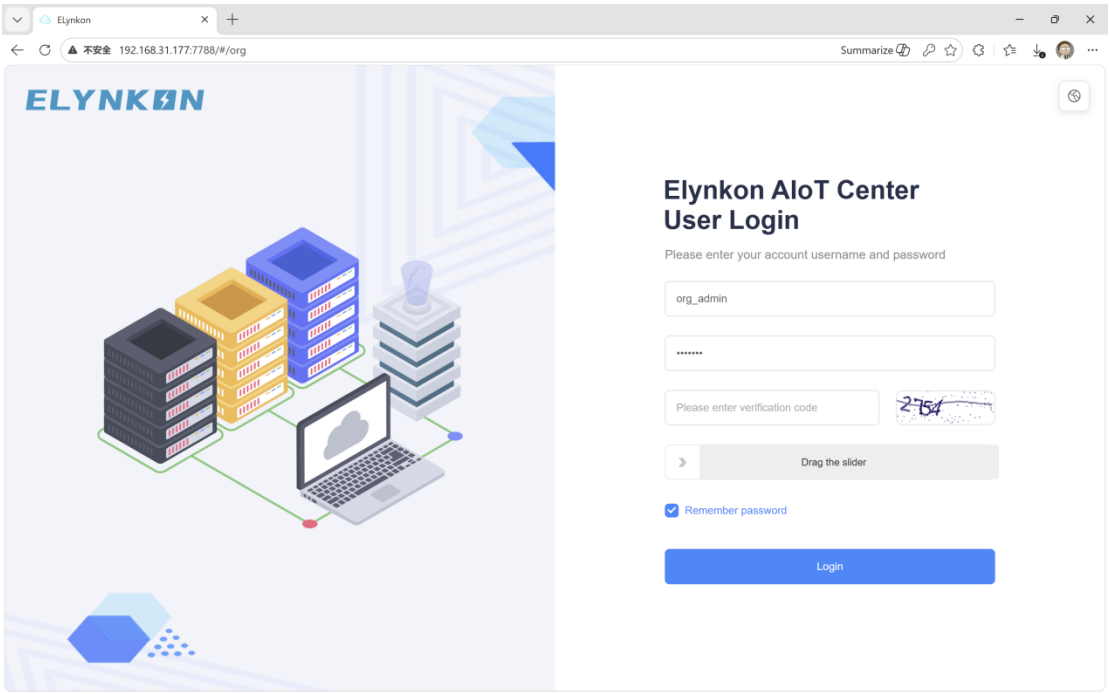
- **Full-screen launch:** You may also configure the application to **Start in Full-screen** mode from File > Settings.

- **Full-screen toggle:** While the application is running, you can enter or exit full-screen mode at any time by selecting View > Full Screen from the menu, or simply by pressing F11.

3.2.3. Local Area Network Access

You can access the service over the local network by connecting the server via Ethernet or WiFi. Once the server obtains an IP address, open a browser on any computer within the same LAN and enter the server's IP address followed by port **7788** (e.g., http://<server-ip>:7788).

If a monitor is not available, you can also connect your computer directly to the server using an Ethernet cable plugged into **LAN port 1**. Then enter the server's current IP address with port 7788 in a browser.
Note: If the server's IP address has not been changed from the factory default, you can use the default address: http://192.168.1.63:7788.



3.3. Logging In to Service

Regardless of the access method you use (HDMI local console or LAN), you will be

directed to the service login page.

Use the following default credentials to sign in:

- Username: org_admin
- Password: 123456

⚠ **Security Note:** On your first login, you are recommended to change the default password. This ensures that only authorized users can access the server. Please set a strong password and keep it safe.

Once logged in, you can begin managing the server. To enable access from outside your local network, locate the cloud access link within the management interface. For detailed instructions, see section 3.4 Cloud Access.

3.4. Cloud Access

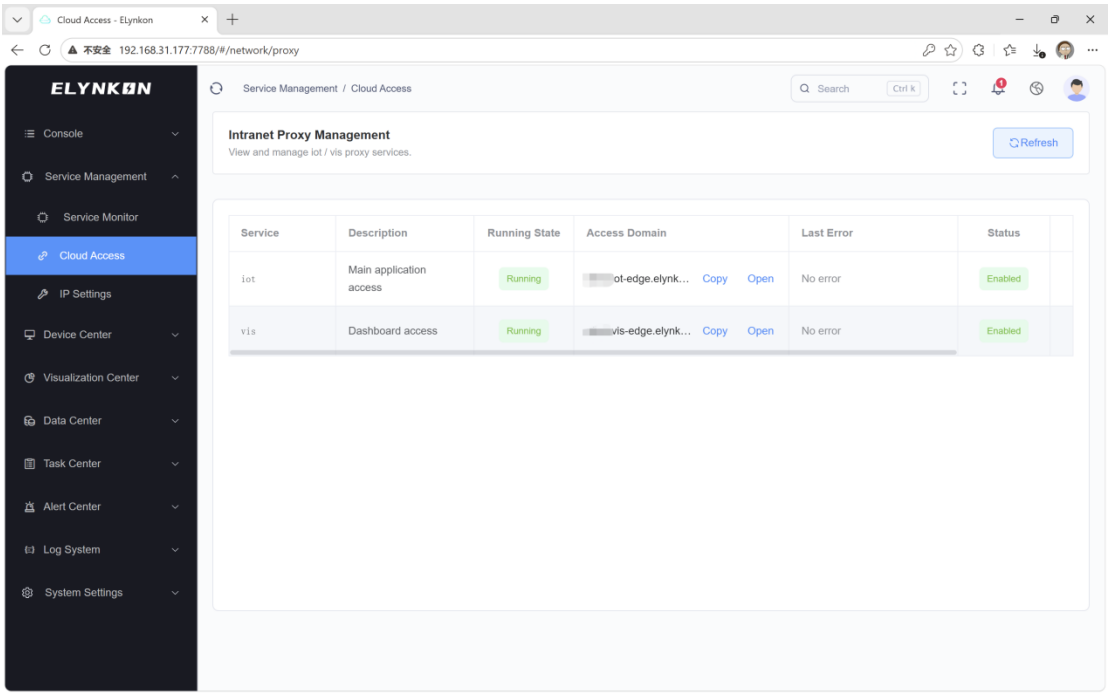
The cloud access feature allows you to reach the server's service interface from outside your local network, using a unique link provided by the system.

3.4.1. Prerequisites

The server must be connected to the internet (via Ethernet or Wi-Fi). You must first log in to the service locally. (See section 3.3 Logging In to the Service.)

3.4.2. Obtaining the Cloud Access Link

After logging in, go to the Service Management -> Cloud Access section in the management interface. The page will display an access domain generated by the server.



3.4.3. Accessing the Service Remotely

Copy the URL and open it in a browser on any device with internet access.

You will be directed to the service login page. Use your existing credentials to sign in.

3.4.4. Notes

The cloud access link remains active as long as the server stays connected to the internet. For security, treat this link as confidential. Do not share it with untrusted parties. Keep the cloud access URL private to prevent unauthorized access.

EASY LINK. ALWAYS ON.

Xiamen renatta technology co.,ltd.

Official Website: https://www.renatta-tech.com

AIoT Center: https://iot.elynkon.com

Tech support：support@renatta-tech.com

Sales：sales@renatta-tech.com