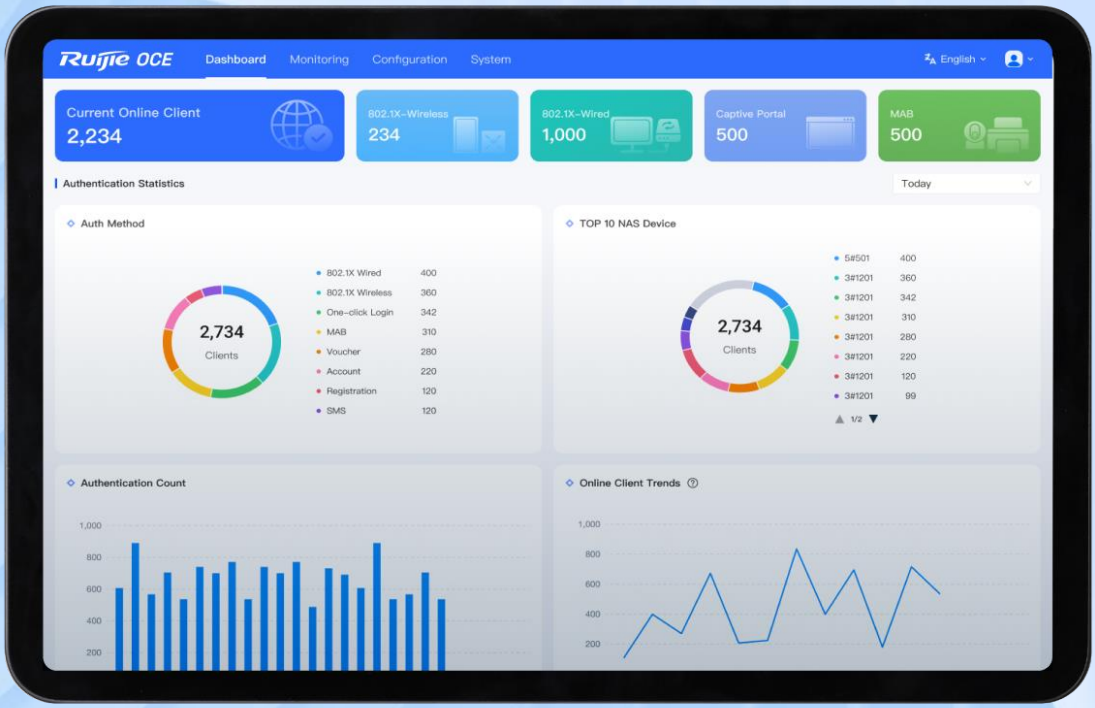
Ruijie

INNOVATION
Beyond Networks

# RG-OCE Identity Manager

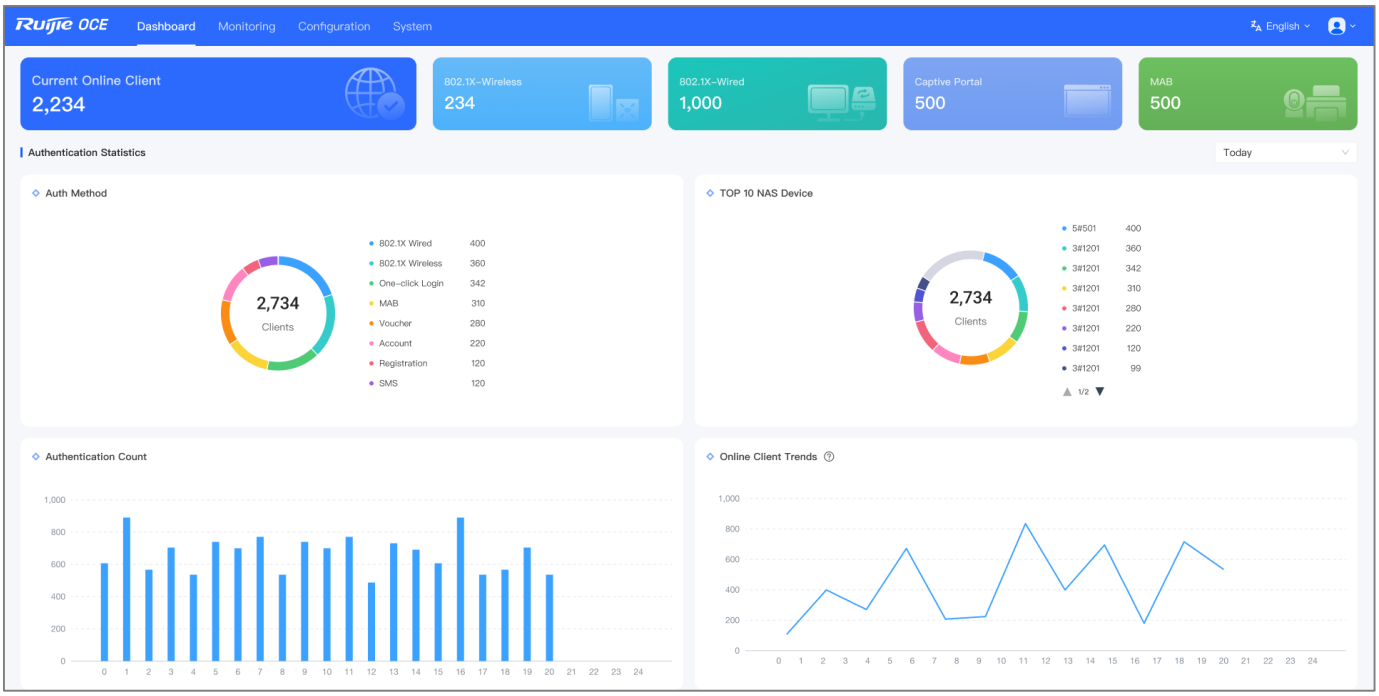



Datasheet

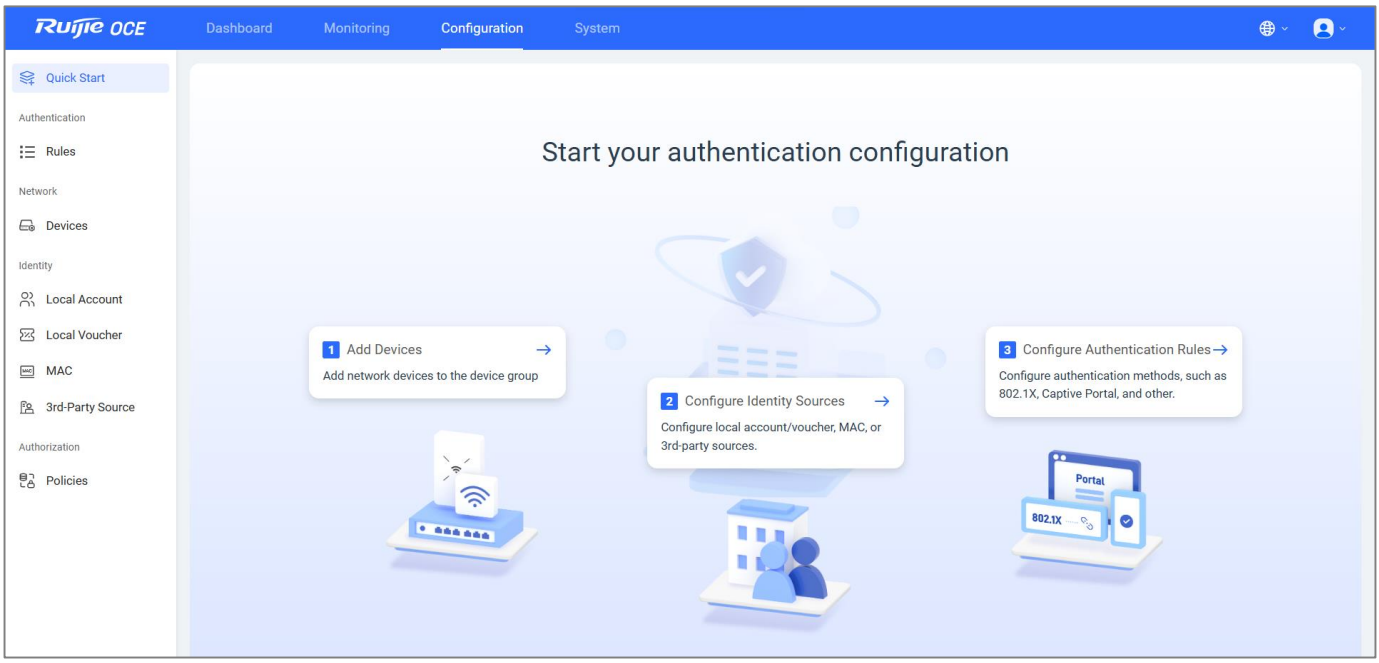
# 01 Product Overview

The Ruijie Omni-Control Engine (OCE) is the on-premises software for the Ruijie public cloud. It consists of two components: the RG-OCE Identity Manager, which handles identity authentication, and is also known as Network Access Control (NAC) or Authentication, Authorization, Accounting (AAA), built with a RADIUS server; and the RG-OCE Network Manager, which manages network devices, and serves as the Network Management System (NMS). The OCE software can be easily installed on physical servers or on virtualization platforms such as VMware vSphere Hypervisor (ESXi), Microsoft Hyper-V, CentOS KVM, Amazon EC2, and Microsoft Azure.

The RG-OCE Identity Manager features an innovative UI and simple configuration steps. It supports both wireless and wired 802.1X authentication, as well as captive portal authentication. It also provides easy access control with MAC Authentication Bypass (MAB) for IoT devices. It supports multiple authentication and authorization sources (local account/AD/LDAP), and can easily integrate with existing data sources. Besides, it offers rich authorization polices, including dynamic VLAN assignment, quality of service (QoS), concurrent users, traffic usage, and time period control, along with flexible portal authentication methods.




RG-OCE Identity Manager Dashboard Page




RG-OCE Identity Manager Configuration Home Page

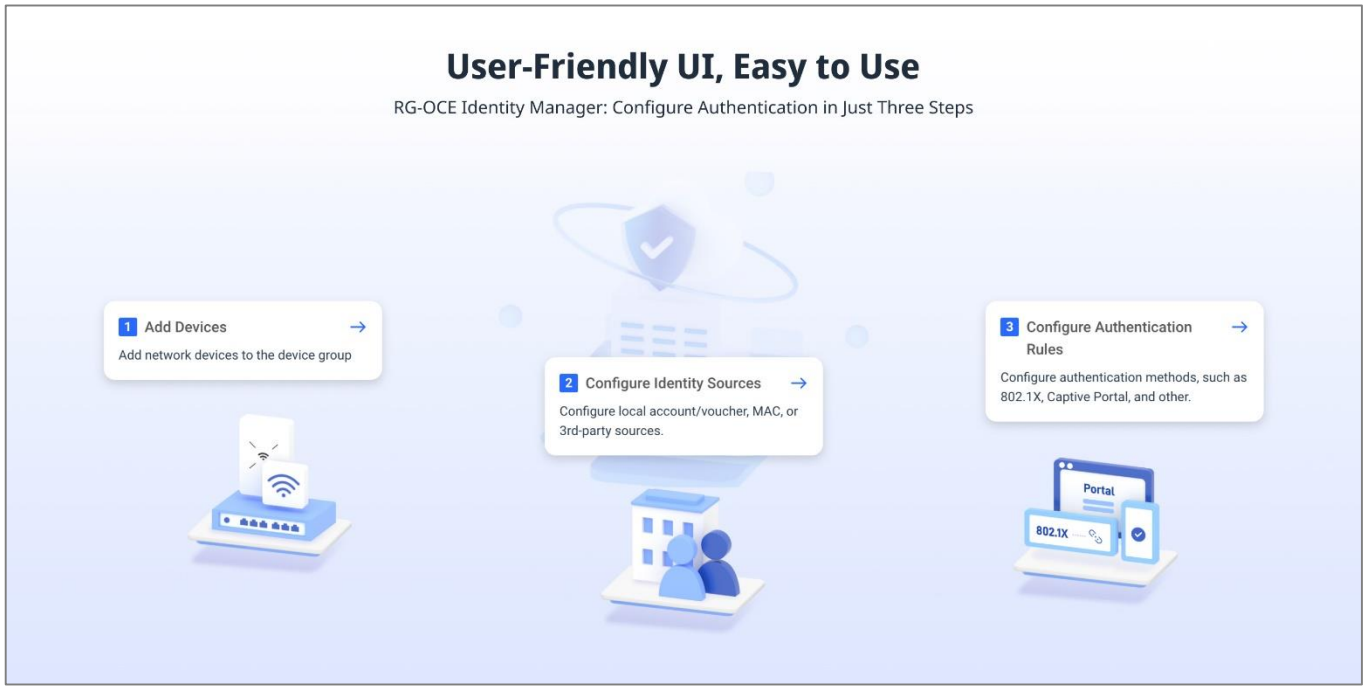
# 02 Product Highlights

## 2.1 On-Premises Deployment

- Software installed on a local server
- High-security data protection
- Supports deployment on the VMware ESXi and physical deployment
- Supports 802.1X authentication for Ruijie, Reyee and third-party devices

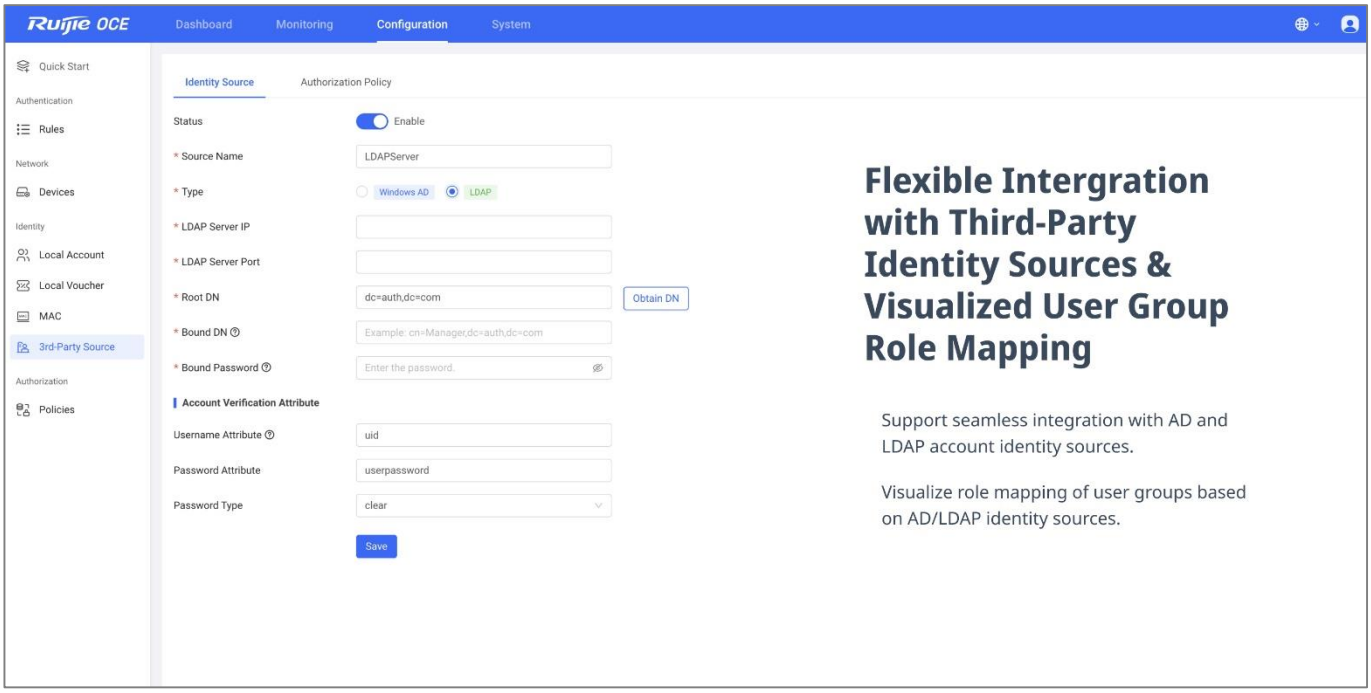
## 2.2 User-friendly UI

- Simple configuration of authentication policies for network devices in three steps
- Intuitive dashboard and real-time status monitoring
- Easily locate authentication exceptions and gain visibility into 802.1X requests



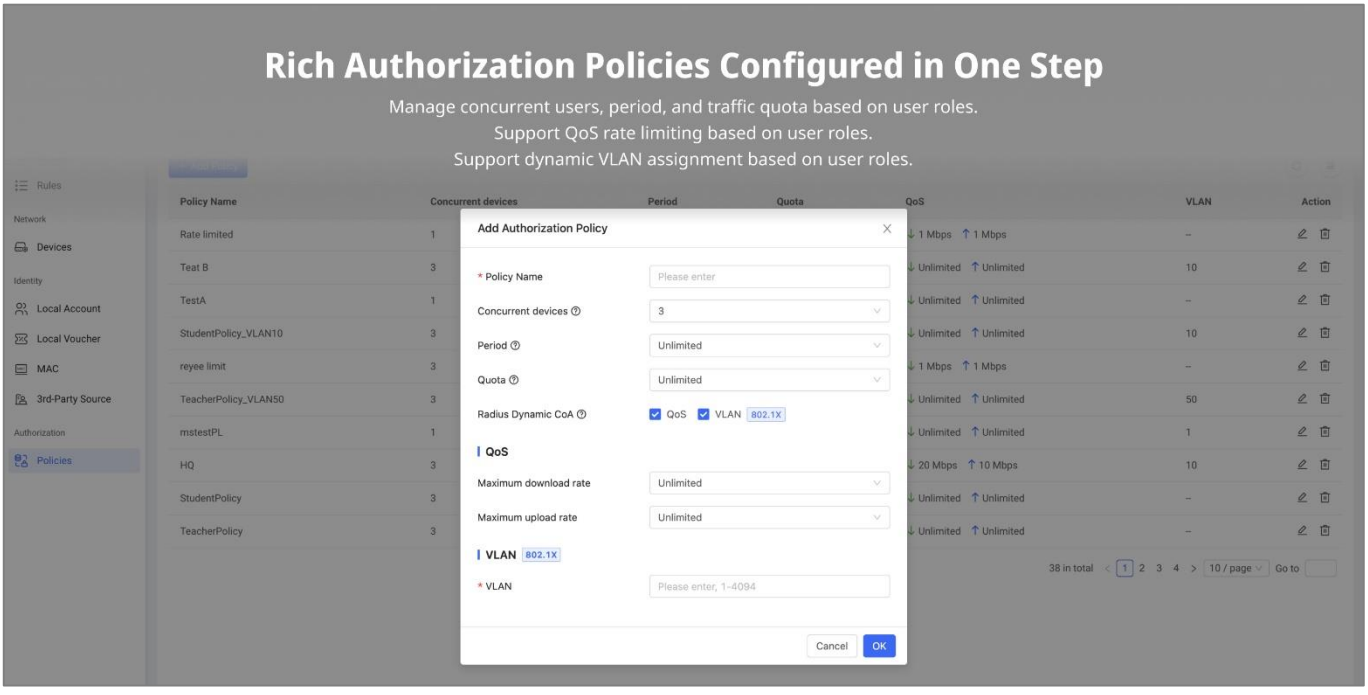
## 2.3 Flexible Authentication Methods

- Wireless and wired 802.1X, and captive portal authentication
- 802.1X with dynamic VLAN assignment
- MAB for IoT devices
- Supports multiple authentication and authorization sources (local account/AD/LDAP)




## 2.4 Rich Authorization Control Policies

- Control of concurrent online clients
- Valid time period control
- Valid traffic quota control
- Dynamic QoS
- Dynamic VLAN assignment



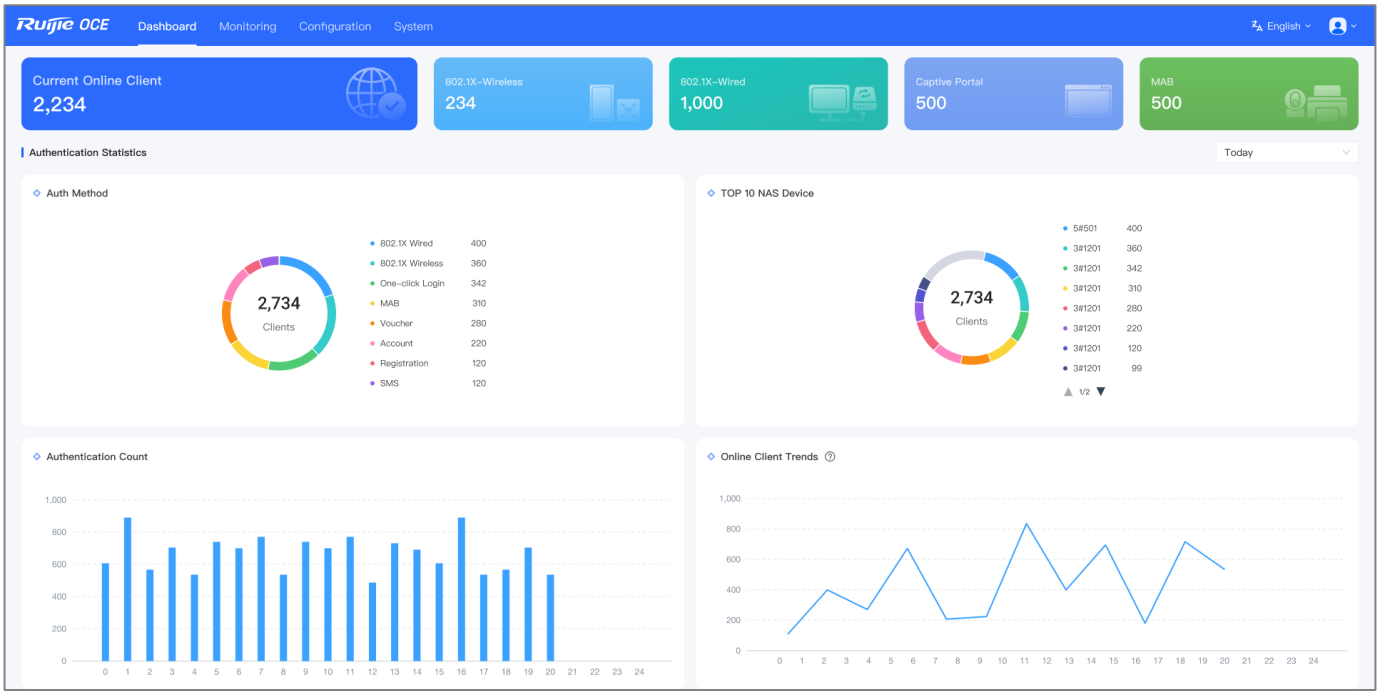
## 2.5 Marketing Campaign & Captive Portal

- Integrated captive portal module, supporting One-Click, Voucher, SMS, Account and Email registration login methods
- Supports rich customization options for the captive portal page, such as background image, logo, welcome text, advertisement images or video, and button styles
- Supports 10+ languages for the portal page, and flexible customization of the portal page

# 03 Product Features

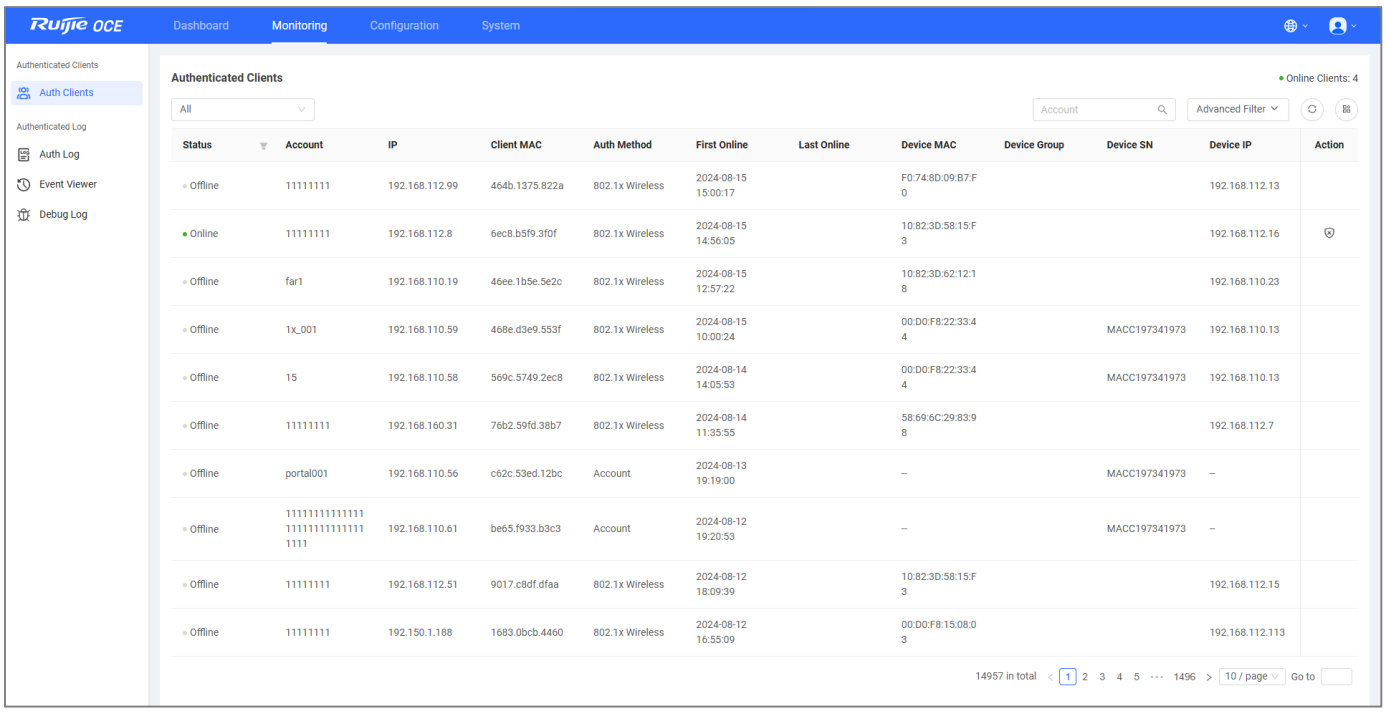
## 3.1 Dashboard Monitoring

The RG-OCE Identity Manager Dashboard provides a clear view of the current number of authenticated clients and the distribution of authentication methods, including the trends in authenticated clients and the peak and off-peak periods.




## 3.2 Authentication Activity Monitoring

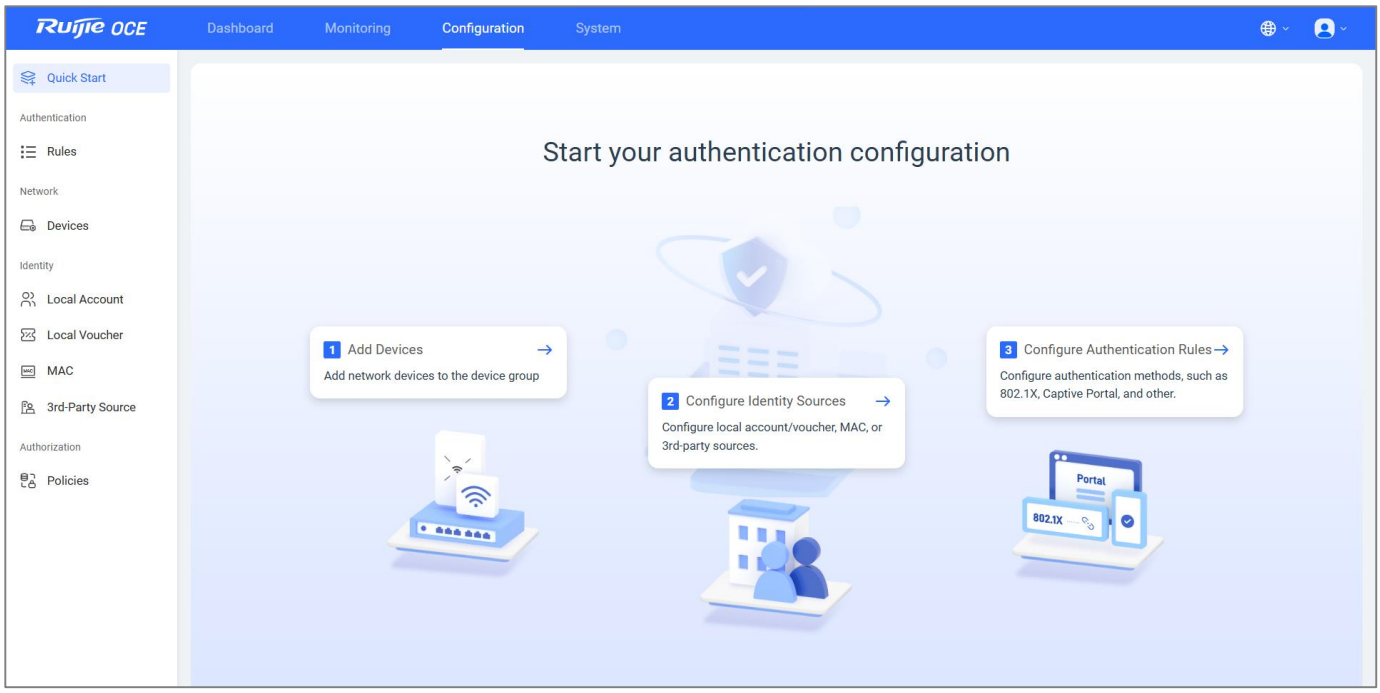
The RG-OCE Identity Manager displays online and offline authenticated clients and records login events. It includes the Event Viewer menu for monitoring exceptions, and the Debug Log menu for easily locating issues by collecting debugging logs.

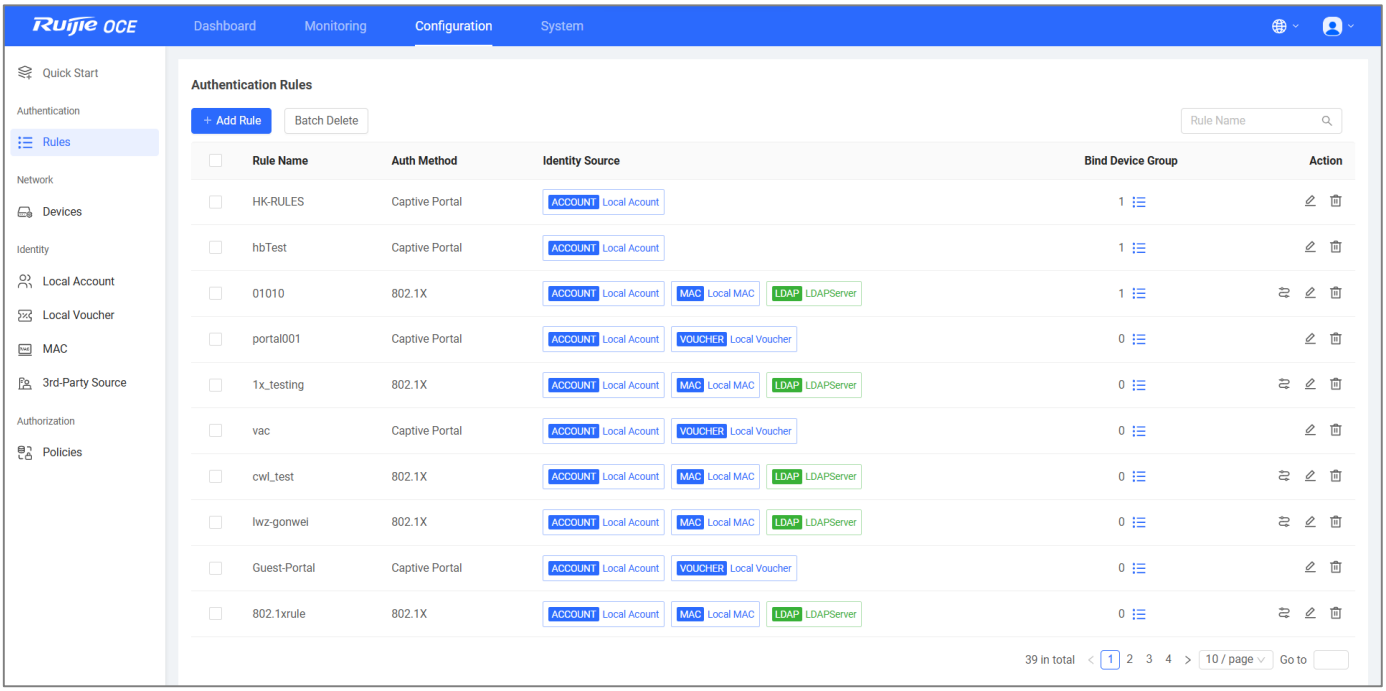


## 3.3 Easy-to-Use Authentication Rules

Configure captive portal and 802.1x authentication rules in just three steps.

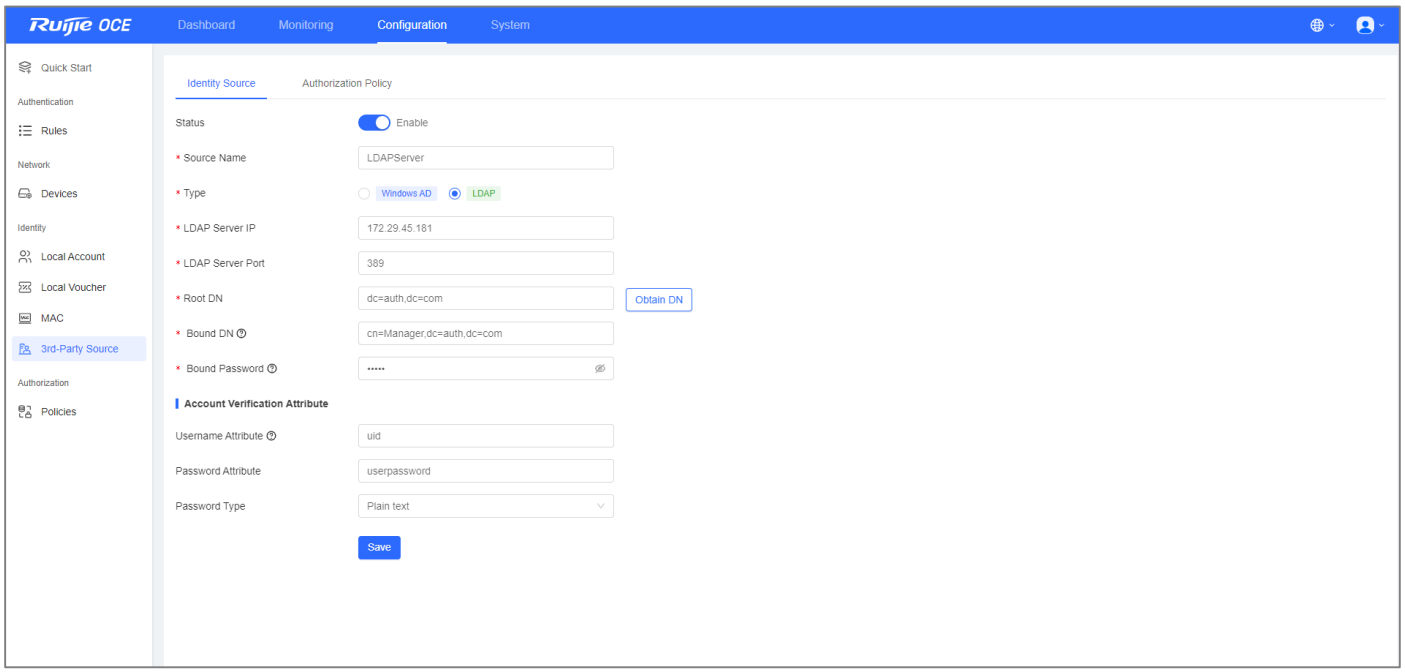
- Step 1. Add devices and assign them to respective device groups.
- Step 2. Configure identity sources, which can be local accounts or third-party data sources.
- Step 3. Enable authentication methods, select identity sources, and apply them to device groups.

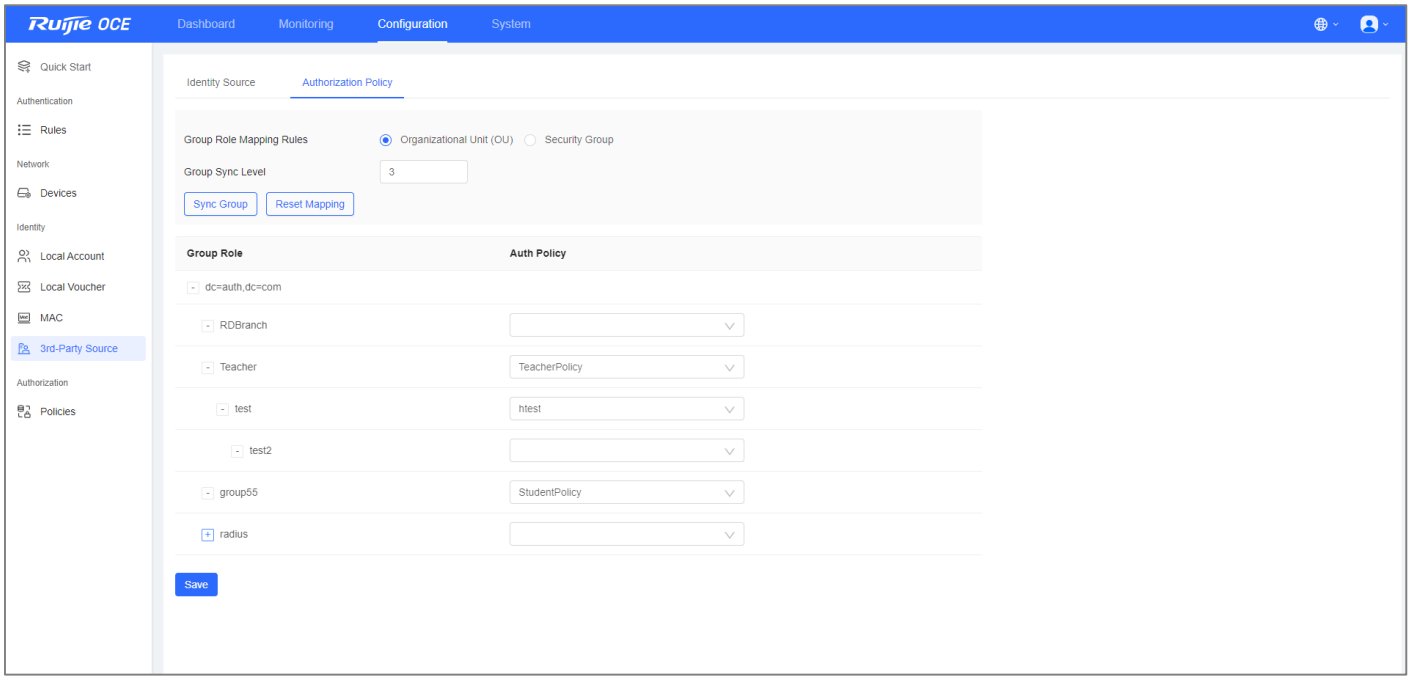


## 3.4 Rich Identity Sources

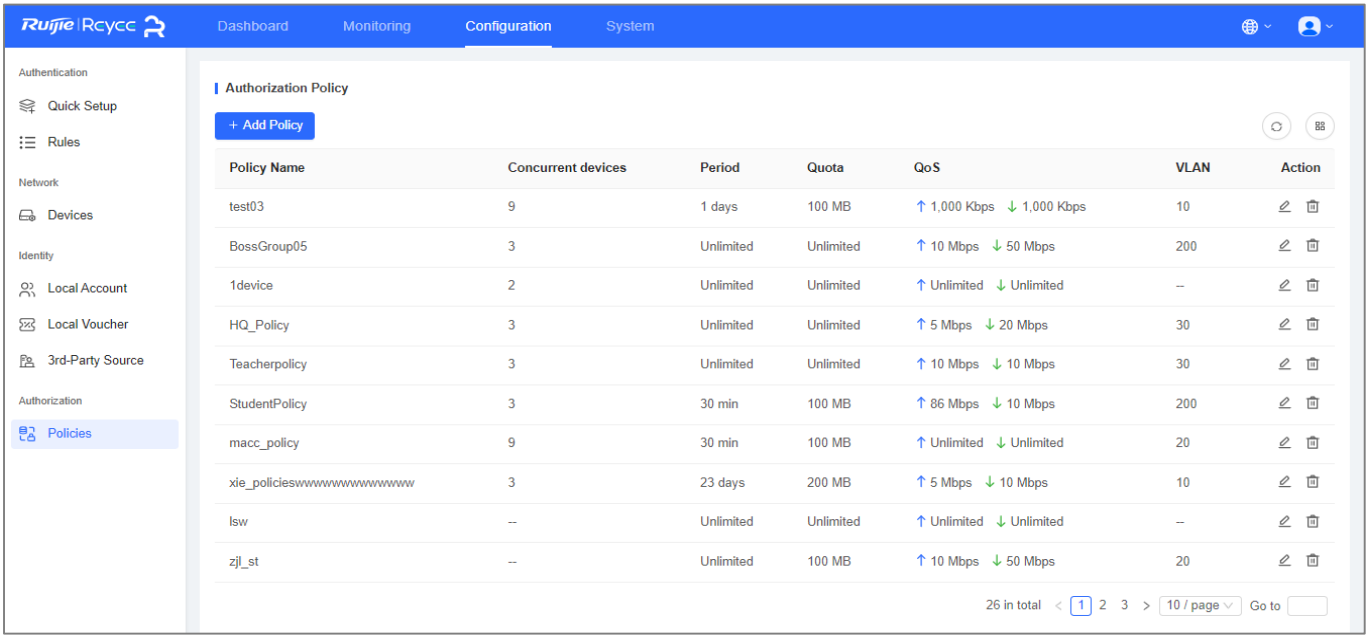
The RG-OCE Identity Manager supports local accounts as well as third-party Microsoft AD and LDAP data sources. It can read AD/LDAP data source groups, and perform role-based authorization mapping through a visual interface.

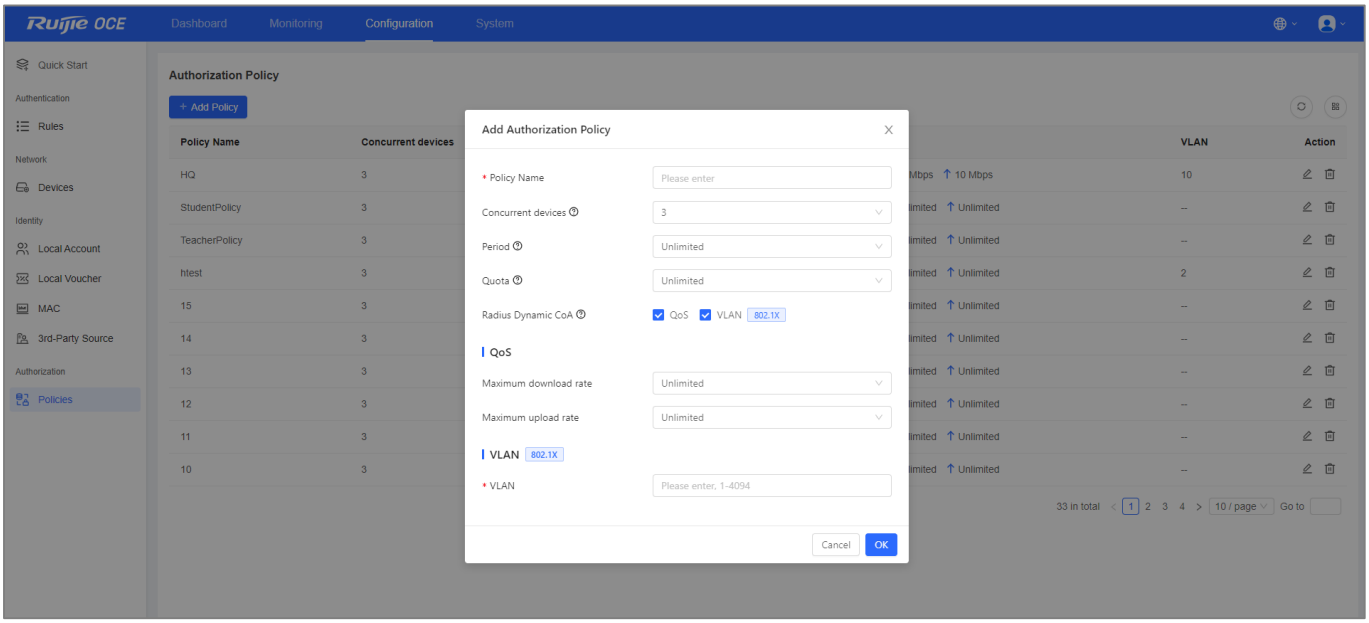


## 3.5 Comprehensive Authentication Policies

The RG-OCE Identity Manager supports comprehensive policies for captive portal and 802.1X authentication. It supports control over concurrent clients, time period, traffic quota, QoS (uplink & downlink speeds) and dynamic VLAN assignment.

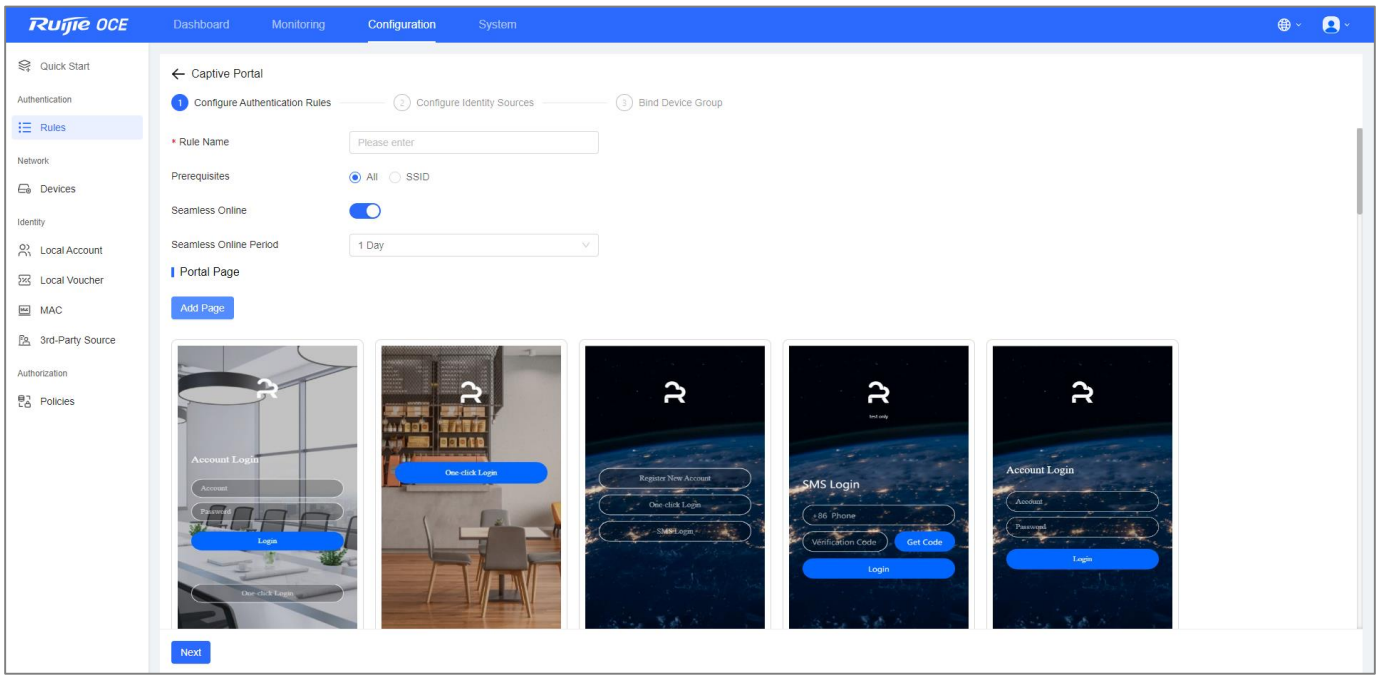


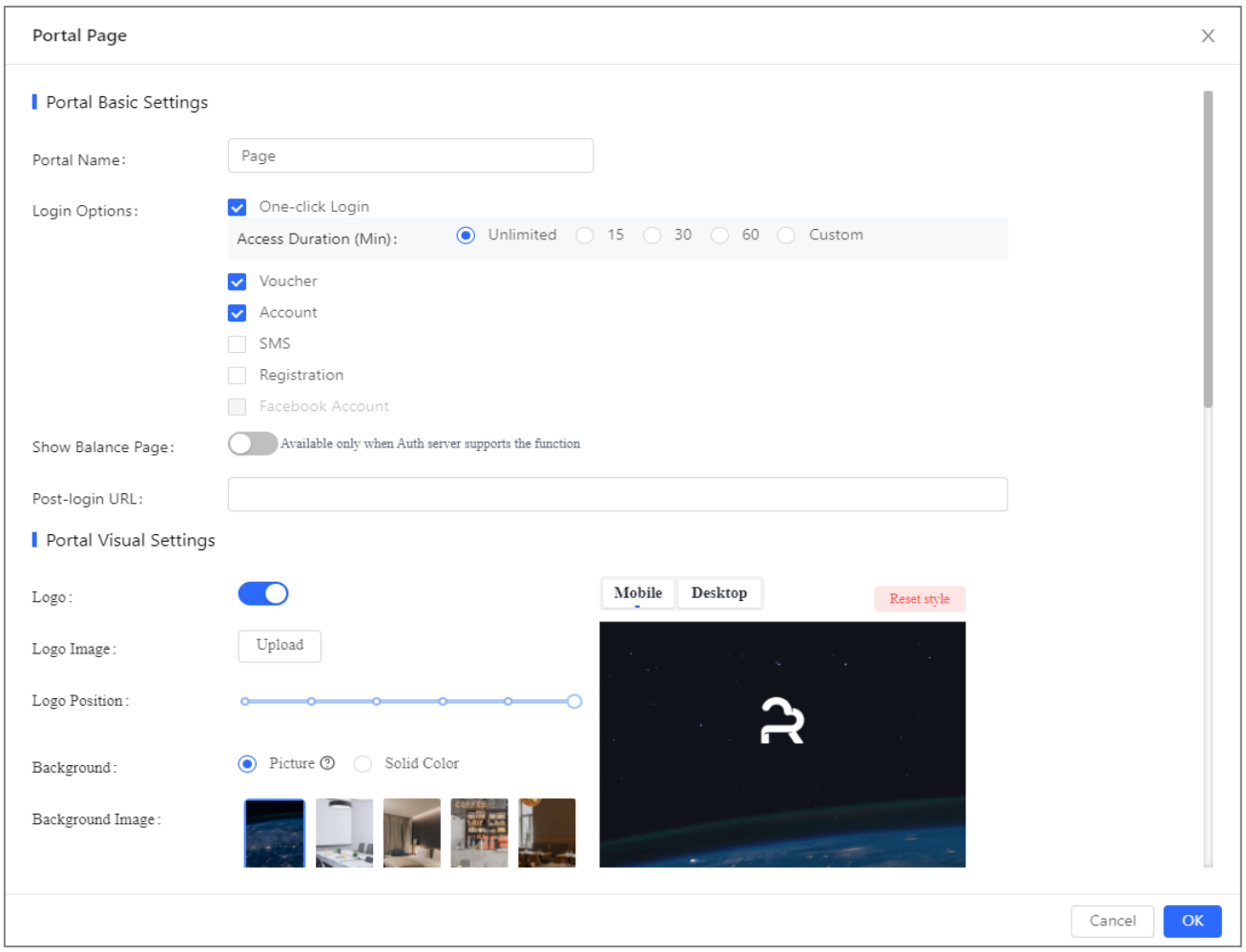



## 3.6 Flexible Captive Portal

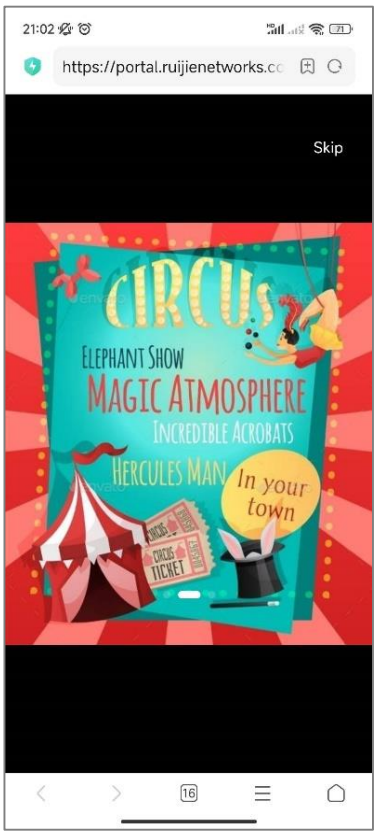
The RG-OCE Identity Manager provides flexible portal authentication policies, and integrates with Ruijie and Reyee access points and gateways. It supports portal page customization and multiple authentication methods, including One-Click, Voucher, Account, Email Registration and SMS login methods.

The portal supports multiple languages and advertising functions. Customers can easily add multiple advertising pictures or videos for marketing.




Portal Page
Portal Basic Settings
Portal Name:
Page
Login Options:
One-click Login
Access Duration (Min):
Unlimited
15
30
60
Custom
Voucher
Account
SMS
Registration
Facebook Account
Show Balance Page:
Available only when Auth server supports the function
Post-login URL:
Portal Visual Settings
Logo:
Logo Image:
Upload
Logo Position:
Background:
Picture
Solid Color
Background Image:
Mobile
Desktop
Reset style
Cancel
OK

21:02
https://portal.ruijienetworks.cc
Wait...(8)
COMPANY NAME
HUNGRY ?
IT'S TIME TO CALL US
+123 456 789 321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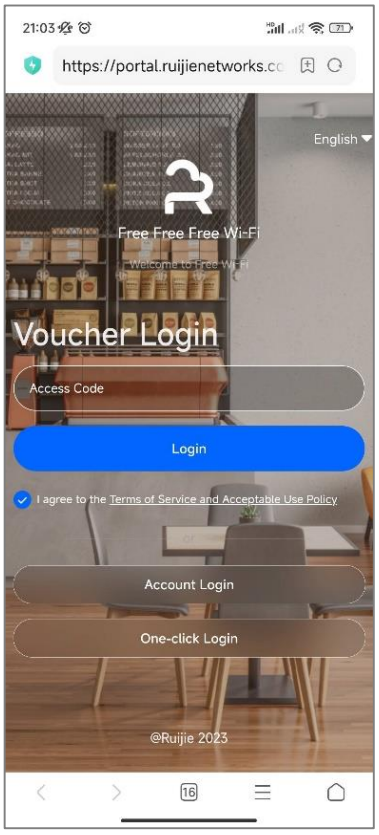
https://portal.ruijienetworks.cc
Skip
CIRCUS
ELEPHANT SHOW
MAGIC ATMOSPHERE
INCREDIBLE ACROBATS
HERCULES MAN
In your town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https://portal.ruijienetworks.cc
English
Free Free Free Wi-Fi
Welcome to Free Wi-Fi
Voucher Login
Access Code
Login
I agree to the Terms of Service and Acceptable Use Policy
Account Login
One-click Login
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# 04 Product Specifications

| Specifications | RG-OCE Identity Manager | Ruijie Public Cloud |
|---|---|---|
| **Deployment Mode:** | | |
| Tenant- and role-based sub-accounts (suitable for on-premises deployment) | √ | √ |
| Redundancy in cluster deployment | √ | √ |
| Secure data transmission | √ | √ |
| Local database deployment | √ | × |
| **Statistics and Monitoring:** | | |
| Current online clients | √ | √ |
| Client authentication methods & statistics | √ | × |
| Client connection and authentication trends | √ | × |
| Event Viewer and Debug Log | √ | × |
| **Authentication Methods:** | | |
| Wireless and wired 802.1X | √ | × |
| MAB | √ | × |
| Captive portal authentication (One-Click, Voucher, Account, SMS, and Email Registration) | √ | √ |
| 802.1X authentication with dynamic VLAN assignment | √ | × |
| **Account Identity Sources:** | | |
| Local account & MAC | √ | √ |
| Microsoft AD & LDAP integration | √ | × |
| **Authorization Polices:** | | |
| Control of concurrent online clients | √ | √ |
| Time period control | √ | √ |

| Specifications | RG-OCE Identity Manager | Ruijie Public Cloud |
|---|---|---|
| **Authorization Polices:** | | |
| Traffic quota control | √ | √ |
| RADIUS dynamic VLAN assignment | √ | × |
| QoS | √ | √ |
| RADIUS CoA and DM | √ | × |
| **Troubleshooting Tools:** | | |
| 802.1X Event Viewer | √ | × |
| 802.1X authentication debug logs | √ | × |
| 802.1X authentication request simulator | √ | × |
| AD/LDAP connectivity test | √ | × |
| Server one-click fault collection | √ | √ |
| **System Management:** | | |
| Role-based privilege management (sub-accounts) | √ | √ |
| License management | √ | × |
| Account multi-language support | √ | √ |
| Open API (RESTful API) | √ | √ |
| **Server Capacity:** | | |
| Maximum concurrent online clients | 10,000+, based on hardware | Subject to specific projects |
| **Technical Support:** | | |
| Online document support | √ | √ |
| Online RITA support | √ | √ |

## 05 Supported Models

| Series | Models | Portal Authentication | 802.1X Authentication |
|---|---|---|---|
| **AP/AC** | AP8xx-L, AP6xx-L Series; AP680(CD), AP720-L, AP180, AP180P-L; and WS6000 Series | Y | Y |
| **Switch** | CS88, CS86, CS85, CS83, S2915-L Series; NBS7000, NBS6000, NBS5500, NBS5300 NBS5200, NBS5100, NBS3300, NBS3200, and NIS3100 Series | N | Y |
| **Router** | NBR6120-E, NBR6205-E, NBR6210-E, NBR6215-E, EG1510XS, EG310GH-P-E, EG310GH-E, and EG305GH-P-E | Y | N/A |

## 06 System Requirements

| Max Concurrent Users | CPU | Memory | Hard Disk Drive | Operating System |
|---|---|---|---|---|
| **300** | 2-core (Intel Xeon processors, 2 GHz or higher) | 8 GB | 100 GB SSD | Rocky or Redhat Linux 8.10 |
| **1000** | 4-core (Intel Xeon processors, 2 GHz or higher) | 16 GB | 300 GB SSD | Rocky or Redhat Linux 8.10 |
| **5000** | 4-core (Intel Xeon processors, 2 GHz or higher) | 32 GB | 1 TB SSD | Rocky or Redhat Linux 8.10 |
| **10,000** | 8-core (Intel Xeon processors, 2 GHz or higher) | 64 GB | 1 TB SSD | Rocky or Redhat Linux 8.10 |
| **> 10,000** | Contact Ruijie sales representative for service deployment requirements. | | | |

## 07 Ordering Information

| Product Code | OCE Identity License |
|---|---|
| **Default Built-in License** | Free for 30 days with a 20-user license. |
| **RG-OCE-IDENTITY-BASE** | RG-OCE Identity Base Edition, including: 20 concurrent online users and 1 year service support (Note that if the demo license expires and the Base License is not installed, the system will no longer be operational.) |
| **RG-OCE-IDENTITY-LIC-100** | Supports 100 concurrent online clients throughout the software's lifecycle (including 802.1X, Portal, and MAB clients) |
| **RG-OCE-IDENTITY-LIC-500** | Supports 500 concurrent online clients throughout the software's lifecycle (including 802.1X, Portal, and MAB clients) |
| **RG-OCE-IDENTITY-LIC-1000** | Supports 1,000 concurrent online clients throughout the software's lifecycle (including 802.1X, Portal, and MAB clients) |
| **RG-OCE-IDENTITY-LIC-5000** | Supports 5,000 concurrent online clients throughout the software's lifecycle (including 802.1X, Portal, and MAB clients) |
| **RG-OCE-SSP-1Y** | Basic 1 Year Technical Service Support Package (SSP) (Annual Fee)<br>This service is charged annually and covers the following:<br>Technical support and fault resolution: Remote technical support during local office hours (9 hours a day, 5 days a week), including software updates, after-sales technical consultation, fault resolution, and a dedicated channel for submitting service complaints or suggestions.<br>Note: Basic technical services will no longer be provided once the validity period expires. |
| **RG-OCE-CDS** | Premium Technical Customization Development Service (Per-Incident Fee)<br>This service is charged on a per-incident basis and covers the following:<br>R&D support: Cluster deployment, cluster data migration, server migration, OCE service restoration after a server restart, remote data backup, and custom function development. (Charges are based on the number of man-days needed from R&D engineers.) |

- The default installation package includes a 30-day free trial for up to 20 users, available for testing.
- Purchase of the RG-OCE-Identity-BASE includes a free RG-OCE-SSP-1Y (1-year subscription) as a gift.
- **Pay once, enjoy lifetime access.**
- The RG-OCE-SSP is related only to services and does not affect software availability.

## 08 More Information

For more information about RG-OCE Identity Manager, please visit https://reyee.ruijie.com/en-global/products/sme/network-management-control/oce-identity-manager/ or contact your local Ruijie sales representative.

**Ruijie Networks Co., Ltd.**

For more information, visit https://reyee.ruijie.com or call 86400-620-8818.