Yeastar TA100/200 FXS Gateway Integration Guide

Yeastar P-Series Software Edition

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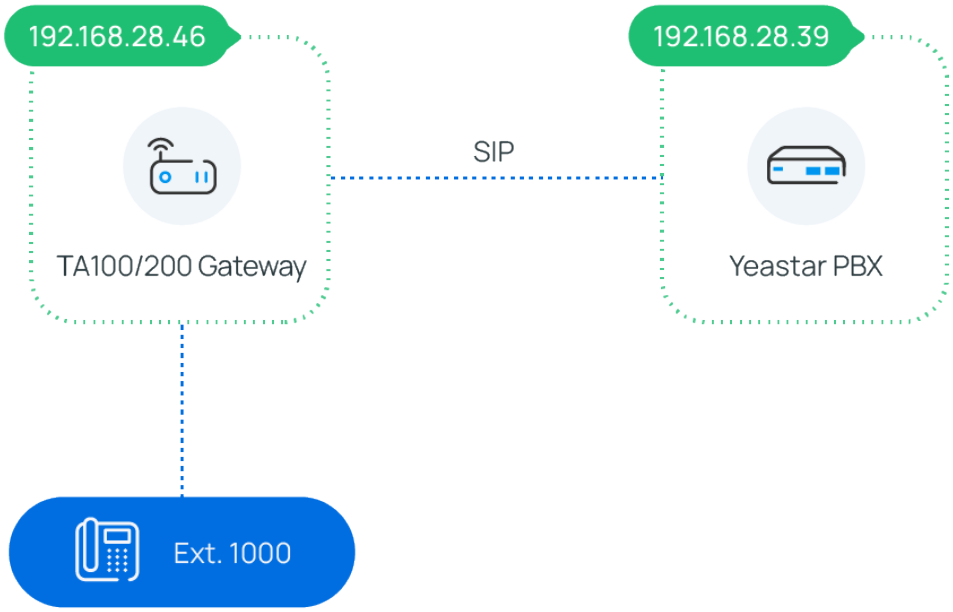
Contents

Yeastar TA100/200 FXS Gateway Integration Guide

This guide provides a configuration example to describe how to extend analog phones for Yeastar P-Series Software Edition.

Test environment

The instructions provided in this guide are based on the following test environment:



Equipment	Firmware Version	IP Address
Yeastar P-Series Software Edition	83.14.0.24	192.168.28.39
Yeastar TA100/200 FXS Gateway	44.19.0.30	192.168.28.46

Objectives

This guide provides instructions based on the above test environment to help you achieve the following objectives:

Connect Yeastar P-Series Software Edition and Yeastar TA100/200 FXS Gateway

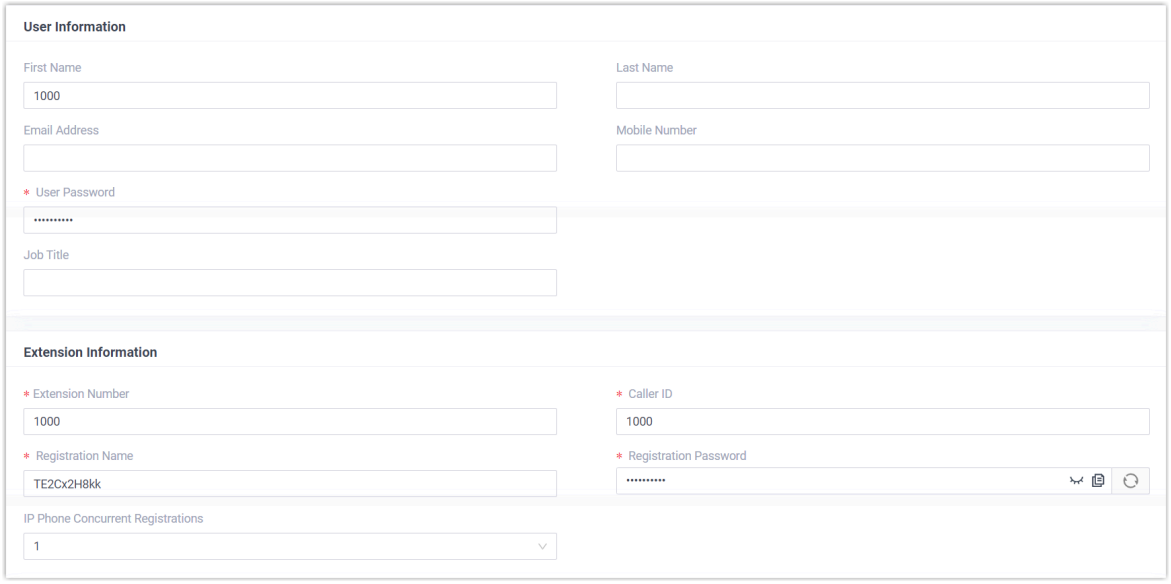
This topic describes how to connect Yeastar P-Series Software Edition and Yeastar TA100/200 FXS gateway, so as to extend analog phone(s) for the PBX.

Procedure

Step 1. Create an extension on Yeastar PBX

On Yeastar P-Series Software Edition, create an extension for the FXS port on the gateway.

1. Log in to PBX web portal, go to **Extension and Trunk > Extension**.
2. Click **Add** to create an extension. In this example, create extension 1000.

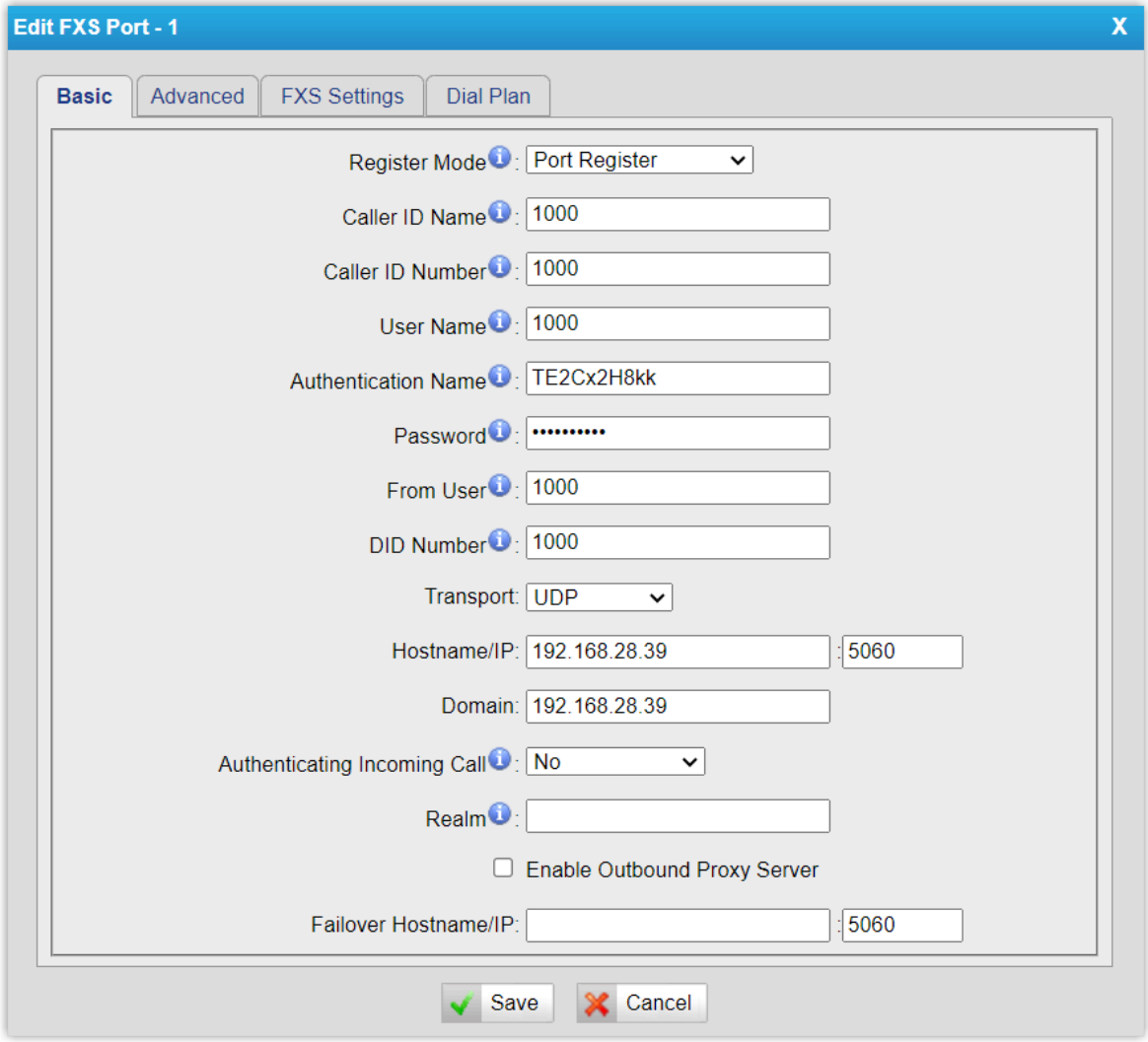


3. Click **Save** and **Apply**.

Step 2. Register the extension with FXS port on Yeastar TA100/200 FXS gateway

On Yeastar TA100/200 FXS gateway, register an FXS port as a PBX extension.

1. Log in to gateway web interface, go to **Gateway > Port Settings > FXS Port**, edit an FXS port.
2. In the pop-up window, configure the following settings:



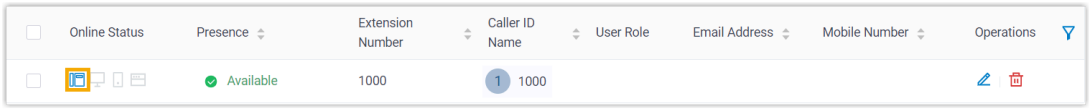
- **Register Mode**: Select **Port Register**.
- **Caller ID Name**: Enter a name to help you identify the FXS port.
- **Caller ID Number**: Enter the extension number.
- **User Name**: Enter the extension number.
- **Authentication Name**: Enter the extension's registration name.
- **Password**: Enter the extension's registration password.
- **From User**: Enter the extension number.
- **DID Number**: Enter the extension number.
- **Transport**: Select **UDP**.
- **Hostname/IP**: Enter the PBX's IP address and SIP port.

- **Domain**: Enter the PBX's IP address.

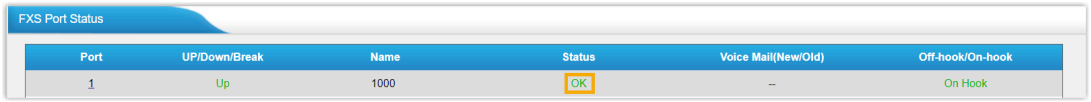
3. Click **Save** and **Apply Changes**.

Result

- The extension is successfully registered with the FXS port. You can check the registration status on PBX web portal and gateway web interface.
  - On PBX web portal, go to **Extension and Trunk > Extension** to check the extension status. If the registration is successful, the extension status will display .



  - On gateway web interface, go to **Status > System Status > FXS Port Status** to check the FXS port status. If the registration is successful, the port status will display "OK".



- Now the analog phone connected to the FXS port can be used to make and receive internal calls.

What to do next

- To make outbound calls from the analog phone, see Make Outbound Calls from an Analog Phone Connected to Yeastar TA100/200 FXS Gateway.
- To receive inbound calls on the analog phone, see Receive Inbound Calls on an Analog Phone Connected to Yeastar TA100/200 FXS Gateway.

Make Outbound Calls from an Analog Phone Connected to Yeastar TA100/200 FXS Gateway

After connecting Yeastar P-Series Software Edition and Yeastar TA100/200 FXS gateway, you can set up an outbound route on PBX to allow users to make outbound calls from the connected analog phone using PBX trunk.

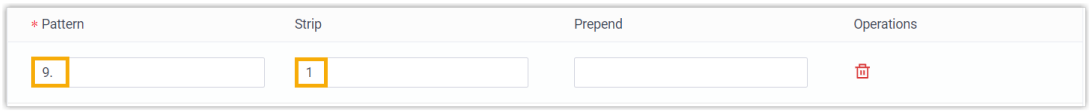
Procedure

Step 1. Create an outbound route on Yeastar PBX

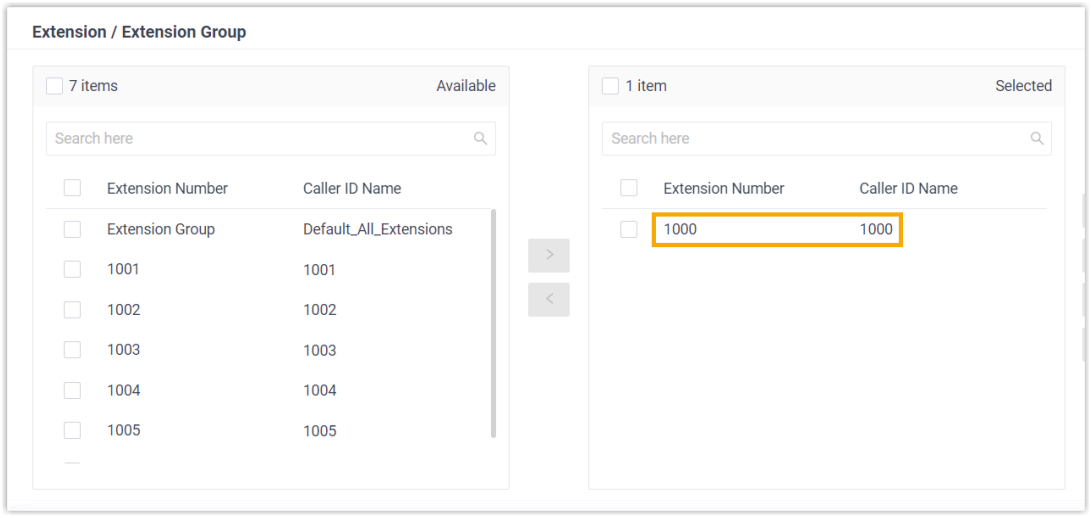
On Yeastar P-Series Software Edition, create an outbound route and assign permission to the extension that has been registered with an FXS port on the gateway.

1. Log in to PBX web portal, go to **Call Control > Outbound Route**, click **Add**.
2. Configure the following settings.
   - **Name**: Enter a name to help you identify the outbound route.
   - **Dial Pattern**: Set the dial pattern according to your needs.

     In this example, set **Pattern** to `9.`, and set **Strip** to `1`. Users should dial prefix `9` before the target number. For example, to call number `15880123456`, users should dial `915880123456`.

   - **Trunk**: Select a trunk.
   - **Extension / Extension Group**: Select the extension(s) that are allowed to make outbound calls via this route. In this example, select extension 1000.



3. Click **Save** and **Apply**.

Step 2. Make a test call from the analog phone

For example, dial 915880123456 on the analog phone, the user 15880123456 will ring.

Receive Inbound Calls on an Analog Phone Connected to Yeastar TA100/200 FXS Gateway

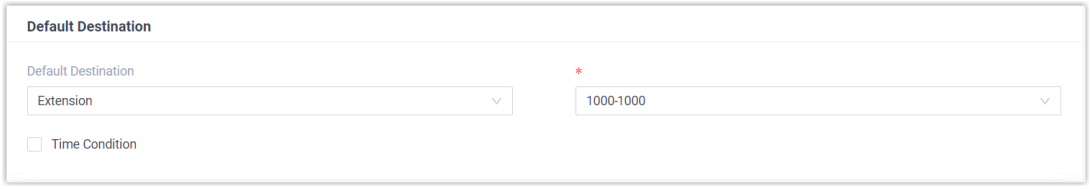
After connecting Yeastar P-Series Software Edition and Yeastar TA100/200 FXS gateway, you can set up an inbound route to allow users to receive inbound calls from PBX trunk on the connected analog phone.

Procedure

Step 1. Create an inbound route on Yeastar PBX

On Yeastar P-Series Software Edition, create an inbound route and set the destination to the extension that has been registered with the FXS port on the gateway.

1. Log in to PBX web portal, go to **Call Control > Inbound Route**, click **Add**.
2. Configure the following settings.
   - **Name**: Enter a name to help you identify the inbound route.
   - **Trunk**: Select a trunk.
   - **Default Destination**: Select a destination for the inbound route. In this example, select extension 1000.



3. Click **Save** and **Apply**.

Step 2. Make a test call to the analog phone

For example, make a call to the trunk, the analog phone with extension 1000 registered will ring.