

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Poly Edge E220** IP phone to register with the **PBX platform 6.7.3** — from installation through manual configuration, auto provisioning (DHCP, TFTP, HTTP/HTTPS), TLS, and BLF setup.



Poly Edge E220 IP phone

BEFORE YOU BEGIN

- **Phone model** — Confirm the exact model on the back of the phone
- **Firmware** — Version **8.1.0.12774**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **6.7.3**

CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Log in (factory default: `admin / admin`)
- 3 The firmware version is displayed on the status page

FIND PHONE IP ADDRESS

- 1 On the phone, navigate to **Settings** > **Status**
- 2 The IP address is displayed on the screen

CHECK PBX VERSION

- 1 Log in to the PBX platform, navigate to **Settings** > **About**

```
Edition: Business, Release: 6.7.3 (387597b7),  
Running: 16.16.1-gc-c0d40968, Proxy v6.7.3  
(7009484), API: 6
```

INSTALLATION & UAD SETTINGS

OPTION A — POWER ADAPTER

- 1 Connect the DC plug on the power adapter to the DC port on the phone, and the other end into an electrical outlet
- 2 Connect an Ethernet cable between the **Internet** port on the phone and a network port on your router or switch

NOTE: If using PoE, you do not need the AC adapter.

OPTION B — POWER OVER ETHERNET (POE)

- 1 Connect an Ethernet cable between the **Internet** port on the phone and an available port on a PoE-compliant router or switch

RESET TO FACTORY SETTINGS

Not required for brand-new phones — a **must** for any phone previously used.

- 1 Browse to the phone's IP, log in (`admin / admin`)
- 2 Navigate to factory reset and confirm
- 3 Allow time for the phone to reboot

WARNING: Do not unplug or remove power while the phone is updating firmware or configuration.

MANUAL CONFIGURATION — UAD SETTINGS

- 1 Browse to the PBX platform, e.g. `http://192.168.1.10` , and log in
- 2 Navigate to **Settings > UAD**
- 3 Click the **Edit** icon for the Poly Edge E220
- 4 Set **Status** = **Active** , **Auto provisioning** = **No** , **DHCP** = **Yes**
- 5 Click **Save**

The screenshot shows the 'UAD settings — manual configuration' page. It includes sections for 'General', 'Network', 'Call Features', and 'Provisioning'. The 'Status' is set to 'Active', 'Auto provisioning' is set to 'No', and 'DHCP' is set to 'Yes'. The 'Save' button is highlighted in red.

MANUAL CONFIGURATION — EXTENSION & REGISTRATION

CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = Poly Edge E220,
Location = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com

Click **Save**.

Creating the extension

REGISTER THE PHONE (TWO STEPS)

STEP 1 — SERVICE PROVIDERS → PROFILE A

- 1 Browse to the phone's IP, log in (admin / admin)
- 2 Click **Service Providers**, select **Profile A**
- 3 In the **SIP** section:
 - **Proxy Server** — PBX hostname or IP, e.g. voip.yourdomain.com
 - **Registrar Server** — same as Proxy Server

STEP 2 — VOICE SERVICES → SP1 SERVICE

- 1 Click **Voice Services**, select **SP1 Service**
 - **X_DisplayLabel** — Extension number, e.g. 1003
 - **X_DisplayNumber** — same as Extension number
 - **AuthUserName** — Extension number
 - **AuthPassword** — the extension Secret
- Click **Submit**, then **Reboot**. Dial ***123** to verify.

AUTO PROVISIONING

1 UAD SETTINGS

- 1 Log in to the PBX platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Poly Edge E220, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

UAD settings — auto provisioning

2 CREATE THE EXTENSION

REQUIRED EXTENSION FIELDS

- **Name / E-mail** — as before
- **Auto Provisioning** — set to **Yes**
- **MAC Address** — from the back of the phone

Click **Save**.

Creating the extension with auto provisioning

3A REGISTER VIA DHCP (OPTION 66)

- 1 Configure your DHCP router to use **option 66**. On boot the phone picks up its configuration. Dial ***123** to verify.

3B REGISTER VIA TFTP, HTTP, OR HTTPS

- 1 Browse to the phone's IP, log in as Admin
- 2 Go to **Settings > Provisioning Server**
- 3 Set **Server Type**: HTTP, HTTPS, or Trivial FTP (HTTP recommended)
- 4 Enter the **Server Address** (see formats below)
- 5 Enter auto-provisioning credentials in **Server User / Server Password**
- 6 Click **Submit**, then **Reboot**. Dial ***123** to verify.

SERVER ADDRESS FORMATS

- **HTTP** — `http://abc.yourdomain.com/prov` or `http://192.168.1.10/prov`
- **HTTPS** — `https://abc.yourdomain.com/prov` or `https://192.168.1.10/prov`
- **TFTP** — `tftp://voip.yourdomain.com` or `tftp://192.168.1.10`

TLS & BLF CONFIGURATION

USING TLS (HTTPS PROVISIONING)

If provisioning over HTTPS, install a certificate on the device:

- 1 Browse to the phone's IP, log in as admin
- 2 Navigate to the TLS / Security settings
- 3 Go to **TLS Platform Profile 1**
- 4 In the **CA Certificate** field, enter the URL to your certificate
- 5 Click **Install**, then **Submit**, then **Reboot**

CONFIGURE BLF (BUSY LAMP FIELD)

- 1 Log in to the PBX platform
- 2 On the **Extensions** page, click the **Edit** icon for the extension
- 3 Click **Advanced Options**
- 4 Under **Auto Provisioning** and **Presence**: set both to Yes , then **Save**
- 5 Click **Enhanced Services**
- 6 Check **Directory / BLF List** and click **Save**
- 7 Click **Directory / BLF List** **Edit**
- 8 Enter the user's Extension number and check the **BLF** box
- 9 Click **Save**