

OVERVIEW & INSTALLATION

This guide covers the most common tasks required to get a **Digium TE405P** quad-span T1/E1 card working efficiently with the PBX — installing the card into the server and creating the digital trunk.

INSTALL THE CARD INTO THE PBX SERVER

- 1. Set the **jumper** on the TE405P card to select the operation mode: **T1 or E1**.
- 2. Power off the the PBX server properly.
- 3. Open the server.
- 4. Insert the TE405P card into a free **PCI slot**.
- 5. Tighten the screw.
- 6. Close the server.
- 7. Connect the **T1/E1 port** to the service provider's port.
- 8. Boot up the the PBX server.

If everything is done as described above, the TE405P is successfully installed in the the PBX server.

T1 OR E1?

The jumper setting determines which provider type to select when creating the trunk: **Generic T1** (North America, 1.544 Mbps) or **Generic E1** (Europe, 2.048 Mbps).

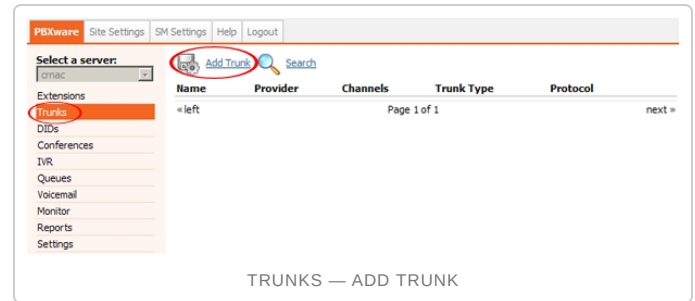


EXAMPLE TE405P CARD

CREATING THE TRUNK

STEP ONE — ADD TRUNK

- Navigate to **Trunks** and click **Add Trunk**.
- Select the **Provider: Generic T1** or **Generic E1**, depending on how the TE405P jumper is configured (see Installation). This example uses **Generic T1**.
- Select **TE405P** from the **Device** list.
- Click **Next**.



STEP TWO — TRUNK VALUES (REQUIRED)

Name	Name for the trunk being created.
Emergency Trunk	If the trunk provider supports dialing of emergency services, select Yes .

Click **Save**.

» Trunks: Add

Provider: Please select..

Device: No device required

Go back Next »

PROVIDER SELECTION

» Trunks: Add

Provider: Generic T1

Device: TE405P

Go back Next »

DEVICE SELECTION — TE405P

OPTIONAL TRUNK FIELDS

Channels	Single channel, or a range of channels being configured.
Group	Every ZAPTEL trunk belongs to a group; selecting any group enables the trunk. The PBX auto-selects the next available group; groups already in use are hidden.
FXS Kewlstart	Receive audio/COR on an FXS kewlstart interface (FXO at the channel bank).
Country	Select the trunk location.
E164	International public telecommunication numbering plan — Yes / No / N/A.
Intl. Dialing Code	Number required to make international calls from your country.

FINISH UP

Restart the the PBX server by clicking **Restart** at the top-right corner of the web interface.



GLOSSARY

T1	North American standard for digital transmission — a link with a capacity of 1.544 Mbps, used to connect networks across remote distances; bridges and routers connect LANs over T1 networks.
E1	European format for digital transmission — a wide-area scheme used predominantly in Europe carrying data at 2.048 Mbps; E1 lines can be leased for private use from common carriers.
DHCP	Dynamic Host Configuration Protocol — lets network administrators manage and automate IP address assignment.
IP Address / LAN / WAN	Internet Protocol address · Local Area Network · Wide Area Network.
Local / Remote	Local: devices on the LAN. Remote: devices managed from a network other than the one they connect to directly.
Hub / Switch / Router	Connection point for network devices · selects a path for data to its next destination · forwards packets between LANs/WANs.
UAD	User Agent Device.
PIN / Voicemail	Personal Identification Number · electronic voice messages stored until the recipient listens to them.
Web Interface	The system of controls with which the user manages a device.

NEED A HAND?

Contact your service provider using the support details shown in the footer of this guide.