TIPT
Cisco Phones
Install Guide

Cisco Phones Install Guide

The Installation steps for all Cisco Phones models are the same. This Install guide is based on Firmware version **11.2.1MES4** & above. Latest firmware **11-3-2MPP0001-609** available for new installs automatically during the provisioning process . Follow the instruction below to Install and Provision the Cisco Phones.

Please make sure the Site has been setup with DHCP , DNS and NTP on the Router following the **TIPT Integration Guide** before Phone install

VLAN Requirements

VLAN segmentation is required to demarcate and allow prioritisation of voice traffic. VLAN ID 100 is recommended as the Voice VLAN to ensure configuration consistency across all sites. PC's will typically piggy-back from the IP Phone but reside in the Data VLAN (that is: VLAN ID 1).

The use of Cisco switches with CDP provides automatic VLAN assignment of IP Phones where Voice VLAN's have been configured.

In non-Cisco LAN switch environments, the VLAN ID (that is: VLAN 100) will need to be manually configured, unless the IP handset has support for LLDP. (All our handsets support LLDP, so LLDP will need to be configured on the switch or alternatively handsets will need to be manually set with the voice VLAN (not recommended).

For **TIPT customers** connecting over the internet, QoS is not mandatory, however a separate prioritised voice VLAN should be implemented where possible.

1. Unpack Handset

Unpack the handset and use a Cat6 Ethernet cable to connect the LAN input from the handset to the LAN port on the customer switch /router. If not using PoE then a power packs will be required to power the device.

When power is correctly applied, the handset will turn on. Allow the handset to complete its start-up routine.

2. Auto Provision- Using Username / Password
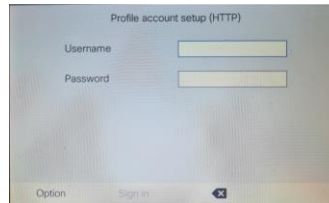
If the DHCP Options are set correctly on the Router the phones will pick up the initial config and start up with the username and password screen.

Enter the supplied username and password credentials for that device.

 Click Sign in .

The handset will reboot and download its configuration.

Cisco phone configured in this way (with user name and password), the configuration remains in place. You will not need to reconfigure the phone if it is powered down).

How to manually Provision a Cisco Handset

You can manually configure three settings on the physical phone for the phone to retrieve its configuration settings from the Device Management Servers (DMS):

Note: Phone provisioning requires that a Cisco device has been provisioned in TIPT platform, and been allocated specific credentials. **You will need to know the credentials for the following process.**

Provisioning Manually

If the Cisco is **not set** to factory defaults the Web GUI maybe disabled.

* Connect the phone to the network and power it on. (If you will be using a computer to complete provisioning setup, ensure the phone and computer are on the same VLAN)
* Verify that the device is Factory reset
* To Factory reset the phone: **Applications** > **Device Administration** > **Factory Reset** > **OK.**
* On the device, press **Applications** (gear icon).
* Press **Status** > **Network Status**.
* Note the phone's **IP address**.
* Log in to the **Web GUI.**
* Click **Admin** in the right top corner
* Click Voice > **Provisioning**.
* For Profile Rule insert http://dms.digitalbusiness.telstra.com/dms/bootstrap
* Click **Submit** All Changes (Phone should reset).
* Once the phone boots back up, manually reboot the phone again.
* Wait 30 seconds. The phone will reboot again on its own and register successfully.