

Easy, Labor-Free Provisioning



Office phones continue to evolve. And as they do, the companies introducing SIP phones are growing. In addition to voice communication, SIP phones use IP protocol to exchange images and other data. This is quickly becoming the mainstream technology for office IP phones. Since the SIP phone is an IP phone, its main drawback is the need for troublesome initial settings. Time-consuming settings have to be made for each and every phone. This has been a headache both for end

users, and for distributors who handle maintenance. Panasonic has now created a system based on its own proprietary servers. The new system enables provisioning* by simply connecting the end user's LAN to the SIP phone.

* Provisioning refers to automatically setting up a unit by simply downloading a configuration file.

"Plug & Play" Provisioning via Panasonic's Redirect Server

By connecting to Panasonic's Redirect Server over the network, the initial settings can be completed by simply inserting the LAN connector into the SIP phone at the user's site, and waiting for a short time. All that the distributor or carrier has to do is to enter information such as the phone's MAC address and the provisioning server's address to the Redirect Server in advance, using a very simple form. This eliminates the need for the distributor or carrier to open the product box at the office, configure the provisioning data, and then reseal the box and send it to the user. As a result, it reduces the time and cost of delivering the product to the user.

Panasonic SIP Phones also offer the following provisioning support.

■ Pre Provisioning by DHCP Option 66

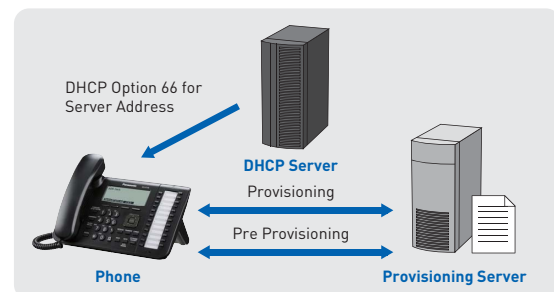
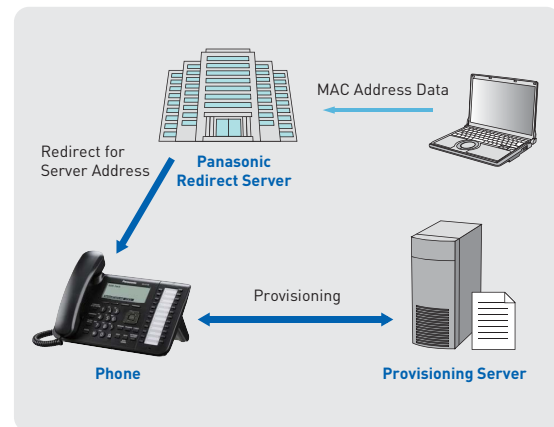
Provisioning can be completed by using a DHCP server. This makes it ready for use as soon as it is delivered to the end user. In the same manner as with the Redirect Server, the end user can simply connect to the carrier's DHCP server, so the distributor or carrier does not need to use the DHCP server to make settings. The provisioning server's address can be relayed to the end user from the DHCP server, to complete the provisioning procedure.

■ Remote Maintenance via Auto Configuration Servers

Using an Auto Configuration Server (ACS) that supports the TR-069, maintenance work, such as updating software, can be carried out for the SIP phone directly from the distributor or carrier.

■ BroadSoft Device Management System

Panasonic SIP Phones support Broadsoft DMS (Device Management System). BroadSoft provides VoIP application software that enables the delivery of hosted telephony and multimedia services. Its award-winning technology empowers wireless, fixed line and cable



carriers to deliver next-generation voice and multimedia applications.



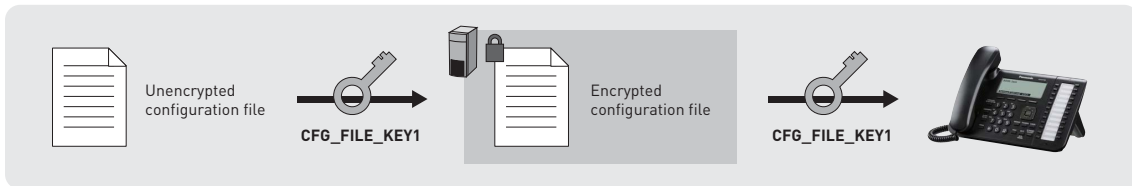
Secure Provisioning

Provisioning on Panasonic SIP Phones can be conducted with a high degree of security. Users can select from the following two security methods.

1. Provisioning by Using an Encrypted Configuration File

In this method, a unique encryption key is embedded into each phone before it is shipped from the factory, and the distributor or carrier is notified of the encryption key. The

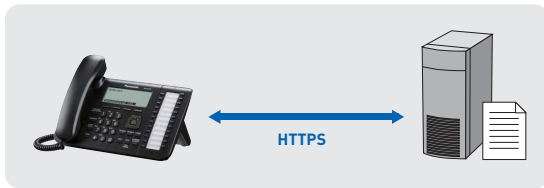
distributor or carrier then uses the key to encrypt the file. When the encrypted file is loaded onto the phone, the phone automatically deciphers it.



2. HTTPS Provisioning with Root Certification

This is a URL scheme designed to enhance the safety of HTTP-based communication. Data leaks are prevented by using HTTPS to exchange the configuration file over the network.

Provisioning is both easy and highly secure with Panasonic SIP Phones. It eliminates the need for maintenance by the distributor or carrier, and greatly reduces the hassle for end users. Panasonic SIP Phones help to build a smoother working environment for everyone.



Panasonic SIP Phones also come in both corded and cordless types. Users can select the type that best matches their particular office needs.

