



# MobileConneX for PBX Systems

Delivering Office Features to Cellular Telephones

MobileConneX is an NEC software solution that resides on the NEC IP Gateway, an application-specific gateway offered by NEC. No matter where users are located, they can leverage their PBX system features as long as they are connected via a cellular phone. Some of the accessible features include internal dialing, hold, and conference. MobileConneX can be used on 8, 12 and 24 port units to extend the advanced PBX system's dial tone and features across internal and external networks to teleworkers, mobile workers, and to cellular telephones.

NEC's distributed telephony solutions are designed for operational simplicity. All of the IP Dterm Gateways configuration, management, administrative, and diagnostic functions may be accessed using a dial-up modem, local terminal, HTML, or Telnet connection. This flexibility enables organizations to maximize administration resources and lower operating costs.

## At a Glance

- Extend the PBX system's rich features to cellular phones
- Ring desktop and cellular telephones simultaneously
- Increase teleworker and remote worker efficiency
- Leverage legacy PBX investments
- Use as an alternative to wireless

MobileConneX is only one of the many NEC solutions that provide businesses with a managed migration path to the latest telephony applications. This simple migration path enables many businesses to leverage their investments in existing voice systems, access new applications being offered by next-generation service providers, and maintain a single unified voice system for their distributed workforces.

## Key Benefits

Among the benefits that MobileConneX provides are:

- **Flexibility**  
Users can easily program calls to be routed to them in roaming mode when and where they want.
- **Increased Productivity**  
Employees can access the IPX or IPS dial tone, receive office-bound calls and invoke business calling features such as internal four- or five-digit dialing.
- **Cost Savings**  
Mobile workers can access the corporate PBX system dial tone to place long-distance and international calls. MobileConneX consolidates calling plans and billing.
- **Investment Protection**  
NEC is committed to providing its customers with flexible voice solutions that preserve their investments.
- **Security**  
Each user or administrator can set a password for each port. In roaming mode, the user can change his or her password via Interactive Voice.

## How it Works

An incoming call rings simultaneously on the user's PBX system desktop telephone and the user's cell phone. When the user answers the call on his or her cellular telephone, the office phone stops ringing. NEC's MobileConneX application translates cellular telephone dial pad key presses into NEC PBX system-specific digital signaling. These converted signals are sent from the IP Dterm Gateway to the NEC PBX system. The flowchart below illustrates how the system functions:

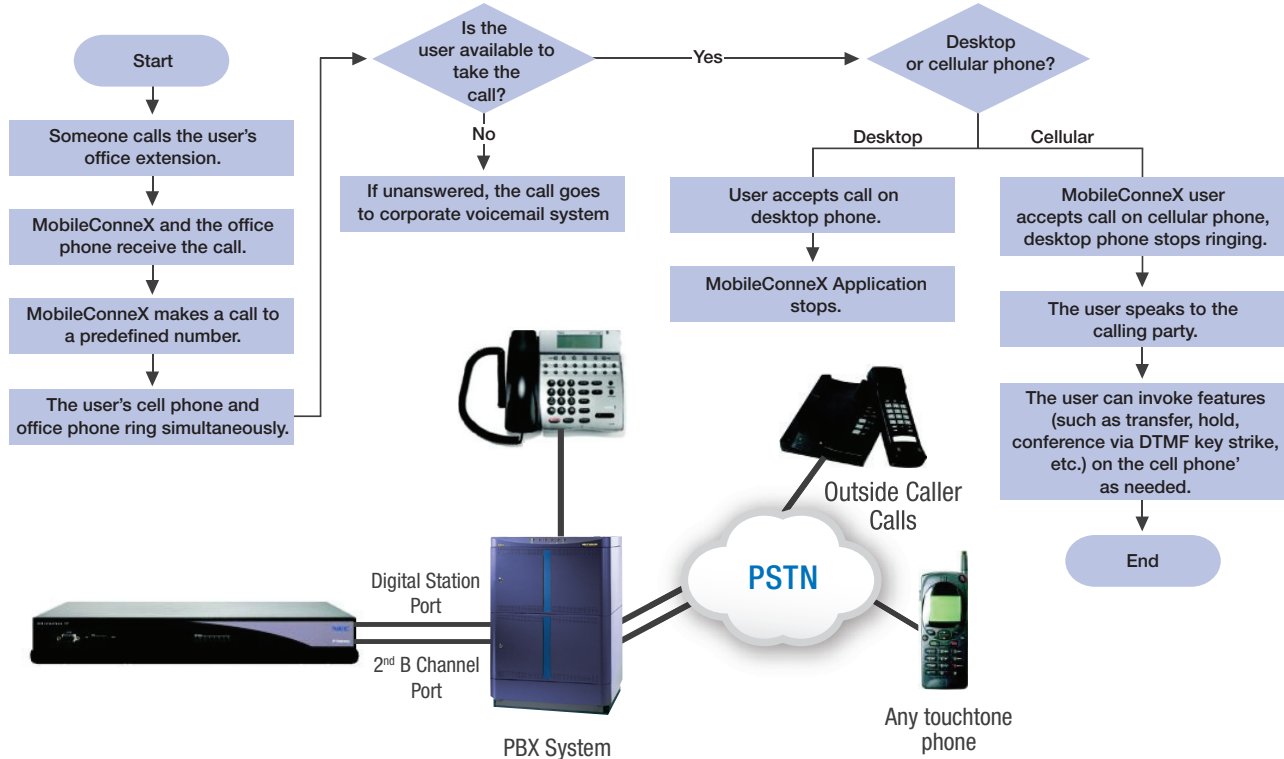
## Operation Modes

A PBX system administrator can easily program each port on the IP Dterm Gateway with a different operation mode, depending upon a user's needs. In large-scale deployments, the administrator may choose to set a default setting that applies to all users in a group in order to provide the group with better service. In Fixed and Fixed/ Forced operation modes, the IP Dterm Gateway only routes calls to pre-programmed numbers.

## General Setup Guidelines

The MobileConneX application is designed to operate with digital stations, and the IP Dterm Gateway. MobileConneX:

- Must be deployed within 500 feet of an NEC IPX or IPS at the corporate office.
- Sends and receives the phone signaling to/from the NEC IPX or IPS. The audio portion of the call is transmitted over the PSTN or wireless network.
- Supports any cellular telephone.
- Utilizes existing NEC IPX or IPS trunk lines to place outbound calls to cellular phones



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