

# VoIP Migration Made Simple



## Keep your phones, benefit from VoIP technology

The components for a successful, cost-effective migration to Hosted IP Telephony (VoIP) are already up and running in your business: Your existing wiring. Your existing LAN infrastructure. And, most importantly, your existing digital PBX and Key system telephones.

Many IP deployments require enterprises to “rip and replace” existing infrastructure, perform costly LAN assessments and upgrades, overhaul cabling between the network room and desktop telephones, and add expensive IP telephones. These aspects of a forklift IP upgrade can add thousands to total deployment costs and cause disruption to business operations. All before users benefit from the next-generation functionality and productivity enhancements of VoIP technologies.

Use OneStream’s Virtual PBX service with Citel SIP Gateways to “De-Obsolete” one of the most crucial components of your voice platform – your desktop telephones.

Your PBX telephones are already installed and employees are trained to use them. Your mission-critical database and web applications are up and running. OneStream SIP Gateways combined with OneStream’s Virtual PBX seats enable existing digital and analog telephones with the same features end-users have today and add next-generation converged IP features and applications like site-to-site integration, integrated voicemail, unified messaging, Web Portals, and Find-Me-Follow-Me. And it happens without costly network upgrades, business disruption, or additional training. Migrate your business to a converged IP platform quickly and with minimal business disruption.

OneStream Networks’ provides end-to-end management and deployment services to make the migration to a converged network infrastructure fast and worry free.

Let the IP professionals at OneStream design, coordinate, deploy, and manage the VoIP migration for your business. OneStream’s dedicated Project Management and technical staff ensure the highest quality, customer service and support which allows you to stay focused on your core competency.

### Business Challenges

### OneStream Benefits

Isolated phone systems	→	Fully integrate multiple-sites
Lack of coordinated dial plan	→	4-digit no-cost site-to-site dialing
Expensive DID options	→	DID number for every telephone
Multiple voice mail systems	→	One seamless voice mail system
Multiple automated attendants	→	One seamless automated attendant
Expensive systems maintenance	→	Eliminate systems maintenance
Obsolescence risk – Capital impact	→	Zero obsolescence – Zero capital risk

### OneStream Networks SIP Gateway Compatible Phones

#### Nortel Norstar

M7100	T7100
M7208	T7208
M7310	T7316
M7324	T7406

#### Nortel Meridian 1

M2006	M2008 & HF
M2616	M3110
M3310	M3820
M3901	M3902
M3903	M3904

#### Nortel Model P Sets

M5008	M5009
M5208	M5209
M5112	M5212
M5216	M5312
M35316	M6310

#### NEC Model DTERM

DTP 8-1	DTP 8D-1
DTP 16-1	DTP 16D-1
DTP 32D-1	ETJ 8-1
ETJ 8-2	ETJ 16DC-1
ETJ 16DC-2	ETJ 16DD-1
ETJ 16DD-2	ETJ 24DA-2
ETJ 24DS-2	

#### Avaya/ Lucent Definity

6402 & D	6408 & D
6416D	6424 & D+M
8403	8405 & D
8410B & D	8411D
8434DX	

#### Panasonic DBS

VB-42100	VB-44224
VB-44210	VB-44225
VB-44220	VB-44230
VB-44223	VB-44233

#### Toshiba

DKT2004
DKT2010_SD
DKT2020_SD

## Virtual PBX – Basic Functionality

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Centered around OneStream Networks' Virtual PBX service are advanced voice features designed to mirror the features of your existing PBX or Key system. Users will enjoy the same features they use today and have the ability to access new, next-generation features through OneStream's voice packages. By minimizing end-user disruption and eliminating extensive LAN changes, OneStream clears the path for seamless deployment of VoIP services. Below is a short-list of functions associated with OneStream Virtual PBX services:

### Individual User Functions

- 4 Digit Dialing
- Call Transfer
- Call Park
- Call Pick-up
- Hold
- Hold in Queue
- Caller ID
- Call Waiting
- Call Forward
- Mute
- Redial

### Group Multi-User Functions

- Multi-Option Auto Attendants
  - On-going Updates & Changes
- PC Based Receptionist Console
- Coordinated Numbering Plans
- Custom Line Appearances
- Virtual Voice Mail
- Call Center ACD/ Custom Hunt Groups
  - Round Robin
  - Top to Bottom
  - Bottom to Top
  - Longest Idle, Ring All, Ring All Idle

## Enhanced System Functionality

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Productivity and efficiency are now at your fingertips. With OneStream's SIP Gateway and Virtual PBX services, your business can seamlessly integrate multiple locations and provide end-users with access to new features and options that improve customer service and personal productivity and ultimately create competitive advantage. Below are some of the features/services available from OneStream:

### Centralized Attendant

**Streamline Call Answering** – live answer and/or auto attendant may be centralized to improve customer service and reduce overhead associated with separate answering positions.

### Self-Service Web Portal

**Productivity** – with easy access to productivity enhancing features dialing directly from Outlook Contacts.  
**Contacts Import** – Import Contacts to Web Portal directly from Outlook.

### Coordinated Dial Plan

**Multiple Site Dial Plan** – establish a coordinated dial plan allowing simple 4-digit dial and transfer between all offices and remote users.

### Microsoft® Outlook® Integration

**Contact Dialing** – TAPI compatible phone dialing directly from Outlook Contacts.  
**Contacts Import** – Import Contacts to Web Portal directly from Outlook.

### Single Number Presence

**Integrate All Devices** – Single number presence allows you to be reached at the Office, Cell, PDA and Home.  
**Find-Me-Forwarding** – Program all calls or caller IDs to ring at any device anywhere in the world.

### Call Management

**Call Log** – See and sort all incoming and outgoing phone calls.  
**Call Screening** – Screen and route individual calls based on caller ID.  
**Forwarding** – Forward always, when busy, or when no answer.

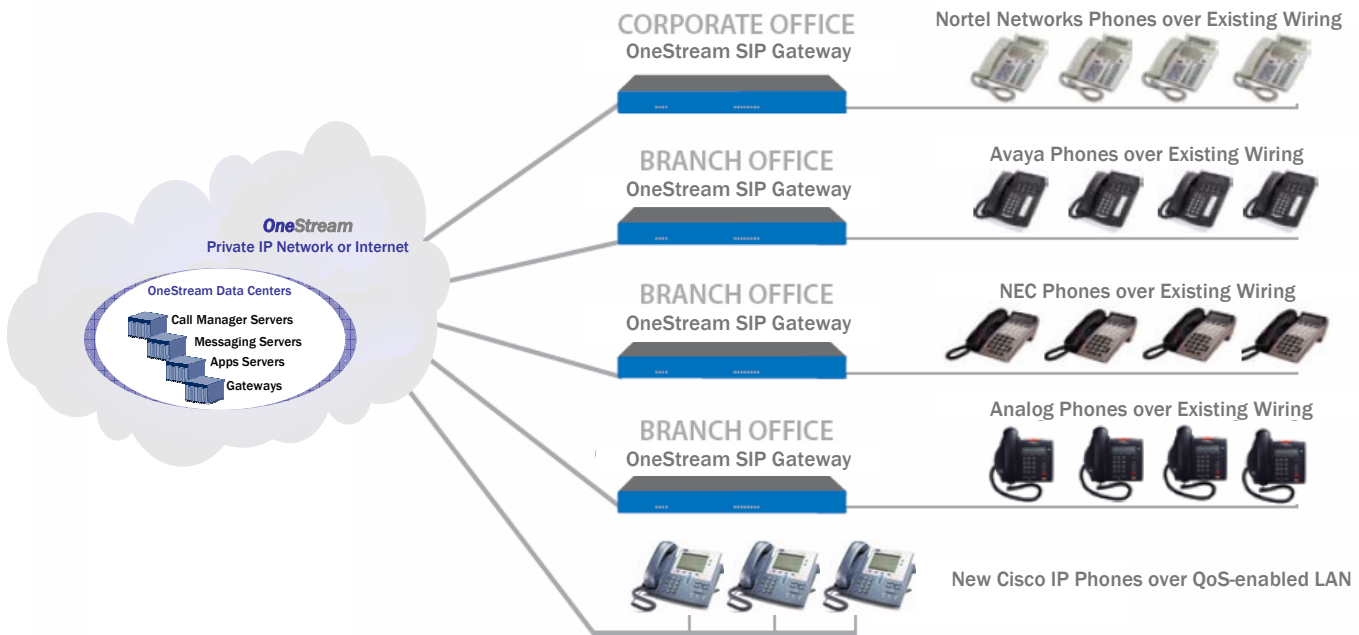
### Call Center Efficiencies

**Distributed Agent Functions** – improve coverage and reduce costs by establishing a distributed call center. Inbound calls may be directed to any logged-in agent regardless of geographic location.

### Directory

**Corporate** – View and one-click call, send voicemail, or conference any corporate user.  
**Personal** – Import, add, and one-click call, conference, or screen personal contacts.

## Sample Network Configurations



## Overview Specifications

### Description

SIP-Enabled Digital/Analog Adapter

### Capacity

Digital: 12- or 24-Port  
Analog: 24-Port

### Supported Phone Models

Nortel Norstar  
Nortel Meridian 1  
Nortel P Phone  
Avaya Definity 64xx/84xx  
NEC Dterm/ Dterm I  
Ericsson  
Panasonic  
Toshiba  
Analog (FXS)

### IP Server Platforms

OneStream Networks  
Sylantro

### Network Interfaces

10/100 BaseT Ethernet  
RS-232  
FXO Analog

### Supported Protocols

SIP (per IETF-SIP-RFC3261)  
RTP

### IP Enhancements

BLA (Bridge line appearance)

### Voice Support

G.711  
G.726  
G.729

### Configuration & Management

SNMP  
DHCP  
Web GUI  
Telnet  
Serial Port

### Physical

12-Port  
1U Rack Mountable  
17"W x 1.75"H x 8"D  
Weight: 6.4 lbs.  
24-Port Digital & Analog  
1U Rack Mountable  
19"W x 1.75"H x 17"D  
Weight: 8.8 lbs.

### Power

90VAC-264VAC 50-60Hz 2.0A

### Environmental

12-Port  
Operating Temp: 32° to 130° F  
Humidity: 5% to 85% non-condensing  
24-Port Digital & Analog  
Operating Temp: 32° to 104° F  
Humidity: 5% to 85% non-condensing

### Emissions

FCC (Part 15,68), CE, UL, EU, IEC,  
EN Certified