

Orchestrating a brighter world

NEC

# DT820 IP Desktop Telephones



# NEC sets the standard for ease of use with the DT820 IP desktop telephones - a variety of models that are ideal for almost any work environment.



## At a Glance

---

- Choice of three DT820 IP models - one 6 button and two 8 button self-labeling phones with either a color or black & white LCD
- User friendly interface makes all of them ideal for public and business usage
- Affordable and cost effective phones to suit all your business needs
- Software upgradeable, eliminating the need for new hardware
- Built-in Gigabit Ethernet comes standard on the 8-button color LCD model and is supported on the 6-button and 8-button B&W LCD models with required optional license

## Overview

---

The DT820 IP desktop telephones--the 6-button and the two 8-button self-labeling [Black & white (B&W) or color LCDs], are cost-effective options for standard business users as well as a great choice for use in building lobbies, public spaces, and contact centers. The 8-button self-labeling phones can be upgraded to 32 lines (8 physical keys with remainder being virtual), making it ideal for almost any work environment; in fact, the NEC DT820 standard use self-labeling desktop telephones are upgradeable to support more extensions and to network, making them both enterprise and call center friendly. Built-in Gigabit Ethernet comes standard on the 8-button color LCD model and is supported on the 6-button and 8-button B&W LCD models with required optional license. Power is supplied to all the DT820 phones via PoE (Power over Ethernet).

DT820 interfaces are designed to improve the overall user experience while remaining intuitive – with no extensive training needed. At-a-glance notifications include new voice messages, missed calls and the telephone user’s current presence status. Both the DT820 6-button as well as the two 8-button self-labeling phones are supported on all of NEC’s UNIVERGE SV9000 series communications platforms and UNIVERGE 3C.

With three models to choose from, you can select an affordable telephone with features that best fit your organizational needs.

### Software Upgradability

With the DT820 telephones, NEC provides a better way to upgrade your phones in the field, with software upgradability. Through licensing, the DT820 6-button and 8-button self-labeling B&W LCD models are able to upgrade their network support from 10/100 to 10/100/1000. And on the two 8-button self-labeling phones, you can increase the line presence from 8 to 16 to 32. No longer is there any need to stock or purchase new hardware.

## The DT820 6-Button Telephone

This 6-button phone offers a familiar user interface. It includes a black and white display, headset jack and fixed line, and feature keys such as conference, transfer and hold.

### Black & White LCD

Call Data: Time & date, extension name & number plus incoming call info

### Handset

Full Duplex Support

### Speaker

Full Duplex Support

### Hold, Transfer & Speaker Buttons

### Microphone

Support for full duplex hands-free operation



### Message Waiting Indicator Light

3 colors - Red, green & amber

### Soft Keys

Voice switch controlled & features dynamically change depending on state of the phone

### Transparent Buttons (Line Keys)

One-touch access to system features such as: Extension dialing, Lines/Call Park, Voicemail Box, Call Recording

### Feature Keys

Recall, Feature, Answer, Microphone

### Navigation Cursor

### Menu Key

Directories, settings: ring volume, any assignable terminal feature defined by the NEC switch

## The DT820 8-Button Telephones

The two DT820 8-button self-labeling phones include the features and functionality of the 6-button model plus helps lower the cost for any adds/moves/changes that are required in a normal business environment. The line presence can also be increased from 8 to 16 to 32.

### Color or Black & White LCD

Call Data: Time & date, extension name & number plus incoming call info

### Handset

Narrowband Support

### Speaker

Narrowband Support

### Hold, Transfer & Speaker Buttons

### Microphone

Support for full duplex hands-free operation



### Message Waiting Indicator Light

3 colors - Red, green & amber

### Transparent Buttons (Line Keys)

One-touch access to system features such as: Extension dialing, Lines/Call Park, Voicemail Box, Call Recording

### Soft Keys

Voice switch controlled & features dynamically change depending on state of the phone

### Feature Keys

Recall, Feature, Answer, Microphone

### Navigation Cursor

### Menu Key

Call History - redial/missed calls (Color Version Only), directories, settings: ring volume, any assignable terminal feature defined by the NEC switch



## DT820 Specifications

DT820				
Line Keys / Product Number		6-Line Key (ITY-6D-1(BK) Tel)	8-Line Key Self-Labeling (ITY-8LDX-1(BK) Tel)	8-Line Key Self-Labeling (ITY-8LCGX-1(BK) Tel)
LCD Display	Resolution	168 x 41 dot	168 x 128 dot	320 x 240 dot
	Dimension	103.0 x 38.7 mm	81.0 x 78.0 mm	76.9 x 63.9 mm
	Color	Black/White		Color
	Backlit Display	Yes		
Line Key	Color	Red, Green full line key illumination		
	Backlit Keypad	Yes		
Soft Key	6 buttons (Exit, Help and 4 button)			
10 Key Backlit	No			
Message Waiting Lamp Color	Red, Green and Amber illumination supported (3)			
Handset	Analog headset jack is standard Narrowband capable (300 HZ to 3400 HZ) RJ-9 audio port			
Hands Free	Full Duplex - Narrowband support (300 HZ to 3400 HZ)			
Headset	Full Duplex - RJ9 Optional support of EHS functionality with APD-80 cable			
Menu	Local	Yes	Yes	Yes
	Short Cut	No	No	Yes
Phone Book	Local	No	No	Yes
	System	Yes	Yes	Yes
Call History	Local	No	No	Yes
	System	Yes	Yes	Yes
System Info Display (Home Screen)	Desktop Icon	No	No	Yes
	4 Line Display	No	No	Yes
	Volume	Yes	Yes	Yes
	Soft Key Frame	No	No	Yes
	Double Height Size	No	No	Yes
Wallpaper for Display	No	No	Yes	
LAN I/F	10BASE-T (IEEE802.3i) 100BASE-TX (IEEE802.3u) Optional support with software licenses for 1000 BASE-TX (IEEE802.3-2008)		10BASE-T (IEEE802.3i) 100BASE-TX (IEEE802.3u) 1000 BASE-TX (IEEE802.3-2008)	
IPv6	Yes - UNIVERGE 3C Only			
VLAN	Menu configurable VLAN assignment for PC and LAN ports			
LLDP	Supported			
PC Port Connectivity	Yes: with menu control to enable/disable the port and configure network speed			
Bottom Option	Not supported			
Side Option	Not supported			
Consumed Power	GIG Disable (Max: 2.7W, Idle: 1.7W), GIG Enable (Max: 3.6W, Idle: 2.1W)			
Power Feeding	PoE: IEEE802.3 at Type1			
External AC	Not supported			
Tilt Angle	2 Step (25 and 38 Degrees)			
Dimensions	W178 x D215 x H133 (mm)	W178 x D221 x H133 (mm)	W178 x D221 x H133 (mm)	
Weight	0.8kg	0.9 kg	1.0 kg	
Supported Platforms	UNIVERGE SV9000 Series & UNIVERGE 3C			

Corporate Headquarters (Japan)  
NEC Corporation  
[nec.com](http://nec.com)

North America (USA & Canada)  
NEC Corporation of America  
[necam.com](http://necam.com)

NEC Enterprise Solutions  
NEC Europe Ltd  
[nec-enterprise.com](http://nec-enterprise.com)

APAC  
NEC Asia Pacific Pte Ltd  
[sg.nec.com](http://sg.nec.com)

Latin America  
NEC Latin America  
[latam.necam.com](http://latam.necam.com)

**About NEC Corporation of America:** Headquartered in Irving, Texas, NEC Corporation of America is a leading technology integrator providing solutions that improve the way people work and communicate. NEC delivers integrated Solutions for Society that are aligned with our customers' priorities to create new value for people, businesses and society, with a special focus on safety, security and efficiency. We deliver one of the industry's strongest and most innovative portfolios of communications, analytics, security, biometrics and technology solutions that unleash customers' productivity potential. Through these solutions, NEC combines its best-in-class solutions and technology, and leverages a robust partner ecosystem to solve today's most complex business problems. NEC Corporation of America is a wholly-owned subsidiary of NEC Corporation, a global technology leader with a presence in 160 countries and \$25 billion in revenues. For more information, visit [necam.com](http://necam.com).