

# SIP Telephones for UNIVERGE 3C



## Overview

NEC's SIP Telephones for UNIVERGE 3C provide all the features and functionality of traditional phones with the seamless integration of advanced IP applications.

Voice & data integration is no longer limited to the network or the PC desktop; it is now in the end-users' hands.

### SIP Telephones for UNIVERGE 3C

- Customizable to meet employees' specific communications needs
- Support for a wide range of applications which help improve overall employee efficiency and productivity
- Fully compliant with UNIVERGE 3C
- An easy-to-use intuitive interface and an interactive user manual
- Standard features for the visually impaired such as audio key action feedback and large character display

## At a Glance

- Range of choices – from IP, 6-line keys to 32+ or self-labeling, grayscale or color display, custom keypads, plus more
- Customizable function keys – can be adapted to the exact individual requirements of your business
- User-friendly interface – little or no staff training required
- Gigabit built-in – eliminates the need of having to buy an adapter (Comes standard on the DT730DG & DT730CG models and is supported on the DT820 6- & 8-button models with required optional license)



# Specifications

Features		DT820 6-button	DT820 8-button
LCD Display	Resolution	Grayscale 168 x 41px	Grayscale 168 x 128
	Dimensions	93.3 x 27.7 mm	70 x 61 mm
	Backlit display	Yes	Yes
Keypad	Fixed Feature Key	9 Keys (with Menu Button and Cursor Key)	9 Keys (with Menu Button and Cursor Key)
	Backlit Keypad	No	No
	Line Keys	6 (LED: Red, Green)	8; 16* or 32* (*licensed) (LED: Red, Green)
	Softkeys	Yes	Yes
	Cursor Keys	Yes	Yes
Incoming Call Lamp	Colors	1 with 3C	1 with 3C
Network	LAN	2-Port, 10BASET/100BASETX/ 1000BASE-T, Full-Duplex/Half-Duplex, Auto Negotiation/ Fixed (Except 1000BASE-T)	2-Port, 10BASET/100BASETX/ 1000BASE-T, Full-Duplex/Half-Duplex, Auto Negotiation/ Fixed (Except 1000BASE-T)
	IP Addressing	Sets via DHCP Server/Sets Statically	Sets via DHCP Server/Sets Statically
	QoS	ToS (IP Precedence, Diffserv)	ToS (IP Precedence, Diffserv)
	VLAN	Tag VLAN (IEEE802.1Q/p)	Tag VLAN (IEEE802.1Q/p)
	Security	802.1x: IEEE802.1x Authentication (EAP- MD5, EAPOL Forwarding), SIP & RTP Encryption, EAP-TLS	802.1x: IEEE802.1x Authentication (EAP- MD5, EAPOL Forwarding), SIP & RTP Encryption, EAP-TLS
Physical Port	XML Open Interface	Yes	Yes
	Personal Directory	Yes	Yes
	System Directory	Yes	Yes
	Call History	Yes	Yes
	Full Duplex Hands-Free	Yes	Yes
Sound	Downloadable Ring Tone	Yes	Yes
	Hold Music	Yes	Yes
	CODEC	G.711, G.729A, G729AB	G.711, G.729A, G729AB
	Bluetooth Adapter (BCA-Z)	No	No
Optional Handsets, Adapters & Headsets (Availability May Be Server Dependent)	Gigabit Ethernet	Optional support (licensed)	Optional support (licensed)
	Analogue Port Adapter w/ Ringer	N/A	N/A
	Wired Headset	Yes	Yes
	Electronic Hook Switch (EHS)	Yes	Yes
	Auto- Configuration	Yes	Yes
Maintenance	Network Management	Yes	Yes
	Dimension (wxdxh)	7"x8.5"x5.24" 178x215x133 mm	7"x8.7"x5.24" 178x221x133 mm
Characteristics	Weight (Approx. Lbs. and kg)	2.2lb 1kg	2.36lb 1.07kg
	PoE (Without Options)	IEEE 802.3af Class 1	IEEE 802.3af Class 1
	Power Options	PoE	PoE
	Telephone Color	Black	Black
	Electrical	EN 55022, EN 55024 Class B	
Standards	ROHS	All Models are ROHS Compliant	
	Safety	UL/CSA 60950	
	Operating Conditions	Temperature Range: 0 to 40° C, Humidity: 10 to 90% RH (Not Condensing)	
Environmental	Storage	Ambient Temperature Range: -20 to 60° C, Ambient Humidity: 10 to 90% RH	

## Specifications (cont.)

Features		DT730DG	DT730CG
LCD Display	Resolution	Grayscale 224 x 96 px	Color 480 x 272 px
	Dimensions	88 x 43 mm	105,5 x 67,2 mm
	Backlit display	Yes	Yes
Keypad	Fixed Feature Key	9 Keys (with Menu Button and Cursor Key)	9 Keys (with Menu Button and Cursor Key)
	Backlit Keypad	Yes	Yes
	Line Keys	12, 24, 32 with LED (LED: Red, Green)	12, 24, 32 with LED (LED: Red, Green)
	Softkeys	Yes	Yes
	Cursor Keys	Yes	Yes
Incoming Call Lamp	Colors	2	2
Network	LAN	2-Port, 10BASET/100BASETX/ 1000BASE-T, Full-Duplex/Half-Duplex, Auto Negotiation/ Fixed (Except 1000BASE-T)	2-Port, 10BASET/100BASETX/ 1000BASE-T, Full-Duplex/Half-Duplex, Auto Negotiation/ Fixed (Except 1000BASE-T)
	IP Addressing	Sets via DHCP Server/Sets Statically	Sets via DHCP Server/Sets Statically
	QoS	ToS (IP Precedence, Diffserv)	ToS (IP Precedence, Diffserv)
	VLAN	Tag VLAN (IEEE802.1Q/p)	Tag VLAN (IEEE802.1Q/p)
	Security	802.1x: IEEE802.1x Authentication (EAP- MD5, EAPOL Forwarding), SIP & RTP Encryption, EAP-TLS	802.1x: IEEE802.1x Authentication (EAP- MD5, EAPOL Forwarding), SIP & RTP Encryption, EAP-TLS
Physical Port	XML Open Interface	Yes	Yes
	Personal Directory	Yes	Yes
	System Directory	Yes	Yes
	Call History	Yes	Yes
	Full Duplex Hands-Free	Yes	Yes
Sound	Downloadable Ring Tone	Yes	Yes
	Hold Music	Yes	Yes (from switch)
	CODEC	G.711, G.729A, G729AB, G.722 (Wideband)	G.711, G.729A, G729AB, G.722 (Wideband)
Optional Handsets, Adapters & Headsets (Availability May Be Server Dependent)	Bluetooth Adapter (BCA-Z)	No	No
	Gigabit Ethernet	Standard	Standard
	Analogue Port Adapter w/ Ringer	N/A	N/A
	Wired Headset	Yes	Yes
	Electronic Hook Switch (EHS)	Yes	Yes
Maintenance	Auto- Configuration	Yes	Yes
	Network Management	Yes	Yes
Characteristics	Dimension (wxdxh)	7.17"x10.95"x4.29" 182x278x109 mm (excludes 32D)	7.17"x10.95"x4.29" 182x278x109 mm (excludes 32D)
	Weight (Approx. Lbs. and kg)	12D/24D: 2.54lbs., 1.15kg [32D (24D+8LK) Not Included]	12D/24D: 2.87lbs., 1.3kg [32D (24D+8LK) Not Included]
	PoE (Without Options)	IEEE 802.3af Class 3	IEEE 802.3af Class 3
	Power Options	PoE/Power adapter	PoE/Power adapter
	Telephone Color	Black	Black
Standards	Electrical	EN 55022, EN 55024 Class B	
	ROHS	All Models are ROHS Compliant	
	Safety	UL/CSA 60950	
Environmental	Operating Conditions	Temperature Range: 0 to 40° C, Humidity: 10 to 90% RH (Not Condensing)	
	Storage	Ambient Temperature Range: -20 to 60° C, Ambient Humidity: 10 to 90% RH	

**DT800 Series**



DT820 - 6 key



DT820 - 8 key Self-labeling

**DT700 Options**



DT730DG



DT730CG

**DT700 Options**



8-line Key Module



60-line DSS Console

**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  
[lasc.necam.com](http://lasc.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 \$28 billion in revenues. For more information, visit [necam.com](http://necam.com).