

Grandstream DP755 Long-Range High-Performance DECT VoIP Base Station



Product Name: Grandstream DP755 Long-Range High-Performance DECT VoIP Base Station

Manufacturer: Grandstream

Model Number: DP755

Grandstream DP755 Long-Range High-Performance DECT VoIP Base Station

The Grandstream DP755 is a DECT VoIP phone base station, tailored for both business and home environments, prioritising mobility. It can accommodate 10 handsets and 20 SIP accounts, boasting an impressive outdoor range of 400 meters and indoor range of 50 meters. Notable attributes encompass 3-way conferencing, high-definition audio, Power over Ethernet (PoE) compatibility, shared SIP accounts, strong security features, and effortless integration with Grandstream's DP series handsets. Together, these elements form a formidable, wireless DECT solution for users.

Grandstream DP755 Key Features

- ½ Up to 20 SIP accounts per system; up to 20 lines per handset
- ½ DECT authentication and encryption technology to protect calls and accounts
- ½ Pairs with up to 10 of Grandstream's DP series DECT handsets (DP730, DP722, and DP720)
- ½ Provides outdoor range up to 400 meters with the DP730 or 350 meters with DP722/DP720, and indoor range up to 50 meters
- ½ 3-way audio conferencing for easy conference calls
- ½ Supports Push-to-Talk (PTT)
- ½ Automated provisioning options include TR-069 and XML config files
- ½ HD Audio to maximise sound quality and clarity; full duplex speakerphone
- ½ Use with Grandstream's UCM series of IP PBXs for Zero Config provisioning
- ½ Supports advanced telephony features, including call transfer, call forward, call-waiting, do not disturb, message waiting indication, multi-language prompts, flexible dial plan and more

The DP755 can be paired with up to 10 of Grandstream's DP series DECT handsets, including models like DP730, DP722, and DP720. This pairing enhances mobility for both business and home users. It provides impressive outdoor ranges, with the DP730 extending up to 400 meters, and the DP722/DP720 reaching 350 meters, along with an indoor coverage of up to 50 meters. These ranges give users the freedom to move around their office or home space without losing connectivity.

The DECT VoIP phone base station supports up to 10 handsets and 20 SIP accounts, boasting features like 3-way voice conferencing, full HD audio, and seamless Power over Ethernet (PoE) integration. The shared SIP account functionality across all handsets facilitates unified features, allowing users to answer calls from any location in real-time. Moreover, the DP755 ensures robust security with support for TLS/SRTP/HTTPS encryption and offers various auto-provisioning methods. When used in conjunction with Grandstream's DP720, DP722, or DP730 handsets, the DP755 becomes a reliable and powerful cordless DECT solution suitable for both business and residential users.

Grandstream DP755 Technical Specifications

Air Interface

½ Telephony standards: DECT

½ Frequency bands:

½ 1880 – 1900 MHz (Europe), 1920 – 1930 MHz (US)

½ 1910 – 1920 MHz (Brazil), 1786 – 1792 MHz (Korea)

½ 1893 – 1906 MHz (Japan), 1880 – 1895 MHz (Taiwan)

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- Number of Channels: 10 (Europe), 5 (US, Brazil or Japan), 3 (Korea), 8 (Taiwan)
- Outdoor Range: up to 400 meters (DP730) or up to 350 meters (DP722/DP720)
- Indoor Range: up to 50 meters

Peripherals

- 3 LED indicators: Power, Network, DECT pairing/Paging button
- One 10/100 Mbps auto-sensing Ethernet port with integrated PoE

Protocol/Standards

- SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, IPv6

Voice Codecs

- G.711μ/a-law, G.723.1, G.729A/B, G.726-32, iLBC, G.722, OPUS, G.722.2/AMR-WB (special order), in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO), VAD, CNG, PLC, AJB

Telephony Features

- Hold, transfer, forward, 3-way conference, downloadable phonebook (XML, LDAP, up to 3000 entries), call waiting, call log (up to 1500 records), auto answer, flexible dial plan, server redundancy and fail-over

QoS

- Layer 2 QoS (802.1Q, 802.1P) and Layer 3 QoS (ToS, DiffServ, MPLS)

Security

- User and administrator level access control, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication & encryption

Multi-language

- English, Czech, German, Spanish, French, Hebrew, Italian, Dutch, Polish, Portuguese, Russian, Turkish, Arabic, Chinese Simple, Chinese Tradition, Japanese, Korean, Slovakian, Serbian

Upgrade/Provisioning

- Firmware upgrade via TFTP/HTTP/HTTPS and local uploading, mass provisioning using TR-069 or AES encrypted XML configuration file

Multiple SIP Accounts

- Up to twenty (20) distinct SIP accounts per system
- Each handset may map to up to 20 SIP account(s)

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• Each SIP account may map to any handset(s)

Ring Group

• Flexible options when multiple handsets share the same SIP account:

• Parallel Mode: all phones ring concurrently and after one phone answers, the remaining available phones can make new calls

• HS Mode: multiple handsets can call out on the same account, but all incoming calls are directed to a single handset

Power & Green Energy Efficiency

• Universal Power Supply: Input AC 100-240V 50/60Hz; Output 5VDC 1A; Micro-USB connection; PoE: IEEE802.3af Class 1, 0.44W–3.84W

Package Content

• Base Unit, Universal Power Supply; Ethernet cable; Quick Start Guide, GPL statement

Dimensions

• 140.31 x 64.98 x 105mm

Weight

• Base unit: 140g; Universal power supply: 50g; Package: 370g

Temperature and Humidity

• Operation: -10 to 45°C (14 to 113°F); Storage: -20°C to 60°C (-4 to 140°F) Humidity: 10% to 90% non-condensing

Compliance

• FCC: FCC Part 15B; FCC Part 15D; MPE; FCC ID

• CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 60950-1; EN 301 489-1/-6; EN 301 406; EN 50385; RED NB Cert

• RCM: AS/NZS 32; AS/NZS 60950.1 ANATEL: ANATEL, EAC, UL (adapter)

Price: £44.80