



Long-Range High-Performance DECT VoIP Base Station

DP755

The DP755 is a powerful DECT VoIP phone base station that pairs with up to 10 of Grandstream's DP series DECT handsets to offer mobility to business and residential users. It supports outdoor range of up to 400 meters with the DP730/DP725/DP735 or up to 350 meters with DP722/DP720, as well as an indoor range up to 50 meters to give users the freedom to move around their work or home. This DECT VoIP phone base station supports up to 10 handsets and 20 SIP accounts while also offering 3-way voice conferencing, full HD audio and integrated PoE. A shared SIP account on all handsets will add seamless unified features that gives users the ability to answer all calls regardless of location in real-time. The DP755 supports a variety of auto-provisioning methods and TLS/SRTP/HTTPS encryption security. When paired with Grandstream's DECT handsets, the DP755 offers a powerful cordless DECT solution for any business or residential user.



Up to 20 SIP accounts per system; up to 20 lines per handset



DECT authentication & encryption technology to protect calls & account



3-way audio conferencing for easy conference calls



Supports Push-to-Talk



Automated provisioning options include TR-069 and XML config files



Use with Grandstream's UCM series of IP PBXs for Zero Config provisioning



HD audio to maximize audio quality and clarity; full duplex speakerphone



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

Air Interface	Telephony standards: DECT Frequency bands: 1880 – 1900 MHz (Europe), 1920 – 1930 MHz (US), 1910 – 1920 MHz (Brazil), 1786 – 1792 MHz (Korea), 1893 – 1906 MHz (Japan), 1880 – 1895 MHz (Taiwan) Number of Channels: 10 (Europe), 5 (US, Brazil or Japan), 3 (Korea), 8 (Taiwan) Outdoor Range: up to 400 meters (DP730/DP725/DP735) or up to 350 meters (DP722/DP720) Indoor Range: up to 50 meters Energy Saving: ECO Mode
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, NAP-TR), 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, in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO), VAD, CNG, PLC, A/B
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) 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 (H x W x D)	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° to 60°C (-4 to 140°F) Humidity: 10% to 90% non-condensing
Compliance	FCC, CE, RCM, IC