Long-range DECT VoIP Base Station
DP750

The DP750 is a powerful DECT VoIP base station that pairs with up to 5 of Grandstream's DP720 DECT handsets to offer mobility to business and residential users. It supports a range of 300 meters outdoors and 50 meters indoors to give users the freedom to move around their work or home space, delivering efficient flexibility. This DECT VoIP base station supports up to 10 SIP accounts and 5 concurrent calls 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 DP750 supports a variety of auto-provisioning methods and TLS/SRTP/ HTTPS encryption security. When paired with Grandstream's DP720, the DP750 offers a powerful DECT VoIP base station that allows any business or residential user to create a cordless VoIP solution.

10 LINES

Up to 10 SIP accounts per system; up to 10 lines per handset

DECT authentication & encryption technology to protect calls & account

3 WAY

3-way audio conferencing for easy conference calls

SIP

DP750 is fully compliant with the SIP/DECT standard

Automated provisioning options include TR-069 and XML config files

zero CONFIG

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

HD

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 promtps, 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)
	Range: up to 300 meters outdoors and 50 meters indoors

Peripherals	5 LED indicators: Power, Network, Register, Call, DECT Reset button, 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 (Pending)
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 300 records), auto answer, flexible dial plan, music on hold, server redundancy and fail-over
Sample Applications	Weather, Currency (Pending)
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	Chinese Simple, Chinese Tradition, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Hebrew, Hungarian, Japanese, Korean, Norwegian, Portuguese, Romanian, Spanish, Swedish, Turkish
Upgrade/ Provisioning	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file
Multiple SIP Accounts	Up to ten (10) distinct SIP accounts per system **Each handset** may map to any SIP account(s) **Each SIP account** may map to any handset(s)
Ring Group	Flexible options when multiple handsets share the same SIP account **Circular Mode:** all phones ring sequentially from the phone next to the one that answered last **Linear Mode:** all phones ring sequentially in the predesignated order **Parallel Mode:** all phones ring concurrently and after one phone answers, the remaining available phones can make new calls **Shared Mode:** all phones ring concurrently and always share the same line similar to analog phones
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)	28.5 x 130 x 90 mm
Weight	Base unit: 143g; Universal Power Supply: 50g; Package: 360g
Temperature and Humidity	Operation: -10 to 50°C (14 to 122°F); Storage: -20° to 60°C (-4 to 140°F) Humidity: 10% to 90% non-condensing
Compliance	FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 ANATEL: #2288-16-9452