





DP750

Long-range DECT VoIP Base Station

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 4 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.



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



DP750 is fully compliant with the SIP/DECT standard



TLS and SRTP security encryption technology to protect calls and accounts



Automated provisioning options include TR-069 and XML config files



3-way audio conferencing for easy conference calls



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





Supports advanced telephony features, including call transfer, call forward, call-waiting, do not disturb, message waiting indication, multilanguage promtps, flexible dial plan and more



Built-in PoE to power the device and give it a network connection









| Telephony standards: DECT Frequency hands: 180 - 1900 MHz (Europe), 1920 – 1930 MHz (US) 180 - 1900 MHz (Europe), 1920 – 1930 MHz (US) 1803 - 1900 MHz (Europe), 1920 MHz (Force), 1803 - 1900 MHz (Europe), 1920 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1803 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1804 - 1900 MHz (Baral), 1800 - 1895 MHz (Force), 1805 MHz (Baral), 1800 - 1895 MHz (Baral), 1800 MHz | | |
|--|---------------------------------|--|
| Peripherals Reset button, Pairing/Paging button One 10/100 Mbps auto-sensing Ethernet port with integrated PoE SIP REC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), Protocol/Standards DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, TR-669, 802.1x, TLS, SRTP, IPV6 (Pending) Voice Codes G-711 [p/3-law, G.723.1, G.729A/B, G.726-32, LIBC, G.772, OPUS, G. 722.2/JAMB-WB (special order), in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO), VAD, CNG, PLC, AIB 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 Westher, Currency (Pending) Qos Layer 2 Qos (802.1Q, 802.1P) and Layer 3 Qos (ToS, DiffServ, MPLS) 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 ### Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danishe, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via TETP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file #### Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danishe, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Up to ten (10) distinct SIP accounts per system #### Each handset may map to any SIP accounts per system #### Each handset may map to any SIP accounts per system #### Each handset may map to any SIP accounts per system #### Each handset may map to any SIP accounts per system #### Each Bip account may map to any SIP accounts per system #### Each Bip account may map to any SIP accounts per system #### Each Bip account may map to any SIP accounts per system #### Each Bip account may map to any SIP accounts per s | Air Interface | 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) |
| Protocol/Standards ShLCP, PPPGE, 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 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) User and administrator level access control, MDS and MDS-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication & encryption Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via TFP/HTTP/HTTP/ETTPs, mass provisioning using TR-069 or AES encrypted XML configuration file 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 SIP account(s) Each SIP account may map to any sIP account(s) Each SIP account may map to any sIP account(s) Each SIP account may map to any handset(s) Firmware upgrade via Il phones ring sequentially from the phone next to the one that answered last Linear Mode: all phones ring sequentially in the protestignated order Parallel Mode: all phones ring reduction in the phone next to the one that answered last Linear Mode: all phones ring concurrently and after one phone mawers, the remaining available phones can make new calls Shared Mode: all phones ring concurrently and after one phone measures, the remaining available phones ring concurrently and after one p | Peripherals | Reset button, Pairing/Paging button |
| 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 (80.2, 1Q, 80.2, 1P) and Layer 3 QoS (ToS, DiffServ, MPLS) User and administrator level access control, MDS and MDS-sess based authentication, 256-bit AES encryption Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via HTPP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file Multiple SIP Accounts Each Handset may map to any SIP account(s) Each SIP account may map to any SIP account(s) Each SIP account may map to any handset(s) 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 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-3.34W Package Content Base Unit, Universal Power Supply; Ethernet cable; Quick Start Guide, GPL statement Dimensions (H x W x D) Base Unit, Universal Power Supply; Sog. 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 50% non-condensing ECC | Protocol/Standards | DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, IPv6 |
| Telephony Features 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) 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 & encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication & encryption Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via HTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file Up to ten (10) distinct SIP accounts per system Each SIP account may map to any SIP account(s) Each SIP account may map to any sIP account(s) Each SIP account may map to any sip account(s) Each SIP account may map to any sip account(s) Each SIP account may map to any handset(s) 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 from the phone next to the one that answered last Linear 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 after one phone answers, the remaining available phones can make new calls 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: 50g: Package: 360g Temperature and Humidity Operation: -10 to 50°C (14 to 122°F); Storage: -20° to 60°C (-4 to 140°F) Hum | Voice Codecs | |
| User and administrator level access control, MDS and MDS-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication & encryption file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication & encryption file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication file, TLS, SRTP, HTTPS, RDS, SRD, HTTPS, DECT, SRD, SRD, SRD, SRD, SRD, SRD, SRD, SRD | Telephony Features | entries), call waiting, call log (up to 300 records), auto answer, flexible dial plan, music on hold, |
| 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 Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file 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) Fiexible 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) Weight Base unit: 143g: Universal Power Supply; 50g: Package: 360g Operation: -10 to 50°C (14 to 122°E); Storage: -20° to 60°C (-4 to 140°E) Humidity: 10% to 90% non-condensing ECC: Part 15D, Part 15B Cempliance Compliance | Sample Applications | Weather, Currency (Pending) |
| ## Arabic, Chinese Simple, Chinese Tradition, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish ### Upgrade/ Provisioning ### Up to ten (10) distinct SIP accounts per system ### Aultiple SIP Accounts ### Each handset may map to any SIP accounts) ### Each handset may map to any SIP accounts) ### Each handset may map to any SIP accounts) ### Each BIP account may map to any Andset(s) ### Each BIP account may map to any Handset(s) ### Each BIP account may map to any Handset(s) ### Each BIP account may map to any Handset(s) ### Each BIP account may map to any SIP account(s) ### Each BIP account may map to any SIP acco | QoS | Layer 2 QoS (802.1Q, 802.1P) and Layer 3 QoS (ToS, DiffServ, MPLS) |
| Pinnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish Upgrade/ Provisioning Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file 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) 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 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) 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 CC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Security | encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, DECT authentication |
| Multiple SIP Accounts Each handset may map to any SIP account(s) Each SIP account may map to any SIP account(s) Each SIP account may map to any SIP account(s) Each SIP account may map to any handset(s) 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) 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 FCC: Part 15D, Part 15B EE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Multi-language | Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, |
| ### Ring Group Flexible options when multiple handsets share the same SIP account | Upgrade/ Provisioning | |
| Ring Group Ring G | Multiple SIP Accounts | Each handset may map to any SIP account(s) |
| 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 FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Ring Group | 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 |
| 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 FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Power & Green Energy Efficiency | |
| 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 FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Package Content | Base Unit, Universal Power Supply; Ethernet cable; Quick Start Guide, GPL statement |
| 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 FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Dimensions (H x W x D) | 28.5 x 130 x 90 mm |
| Humidity: 10% to 90% non-condensing FCC: Part 15D, Part 15B CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Weight | Base unit: 143g; Universal Power Supply: 50g; Package: 360g |
| CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 | Temperature and Humidity | |
| | Compliance | CE: EN60950, EN301489-1-6, EN301406 RCM: AS/NZS60950 |



