

LANCOM DECT 510 IP

Professional DECT base station for LANCOM business-VoIP and All-IP enabled routers



The LANCOM DECT 510 IP base station is the ideal solution for small and medium-sized enterprises needing to integrate Gigaset DECT handsets. Once connected to the LANCOM router, the setup and configuration are automatic. The base station registers up to 6 DECT handsets and assigns them individual phone numbers. The LANCOM DECT 510 IP combines wireless telephony with exceptional HD voice quality.

- Easy integration into networks via LANCOM business VoIP routers and routers with an activated All-IP option
- Auto-provisioning of the base station via the LANCOM router
- Use of up to 6 DECT handsets
- 4 calls in parallel
- Telephony with highest voice quality
- Powered by Power over Ethernet or power supply unit
- Recommended DECT handsets: Gigaset SL800 PRO, SL750H PRO, S700H PRO, R700H Pro, S650H PRO, R650H PRO, R630H PRO, S510H PRO (other DECT handsets supporting the GAP standard can be used with reduced features)



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Easy network installation

Fitting seamlessly into the overall solution, the LANCOM DECT 510 IP is the ideal DECT base station for LANCOM All-IP infrastructures. LANCOM business VoIP routers support the operation of ISDN, analog, and VoIP devices in parallel with DECT devices.

Auto-provisioning via the base station

The LANCOM DECT 510 IP is an easy-to-use and time-saving solution for the setup and configuration of DECT handsets. The base station connects directly to the Ethernet port of the LANCOM router. The Voice Call Manager in the router recognizes the base station and enables the central management of the mobile handsets connected to it. DECT users can be conveniently registered with the base station via a configuration wizard.

Use up to 6 DECT handsets

Once connected to a LANCOM router, the LANCOM DECT 510 IP supports up to 6 DECT handsets and assigns individual phone numbers to them.

4 call in parallel

The LANCOM DECT 510 IP supports up to 4 calls in parallel, making it ideal for versatile communication in small and medium-sized enterprises.

Telephony with the highest voice quality

If all of the participating networks and devices support HD voice, the Voice Call Manager in the LANCOM router delivers excellent quality of speech via the LANCOM DECT 510 IP. HD voice provides an improved audible presence for all of the participants who use DECT.

Powered by PoE or power supply unit

By supporting Power over Ethernet (PoE), the LANCOM DECT 510 IP operates at a LANCOM PoE switch even at long distances away from the nearest power outlet. The base station can be freely positioned to supply the best possible DECT coverage. Alternatively, a power supply unit can be used.



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Technical details

Supported devices	→ Business VoIP routers: LANCOM 1900 series, LANCOM 2100EF, LANCOM 17x3 series, LANCOM 1803 series, LANCOM (R)88x series, LANCOM R903, LANCOM ISG series → Business VPN routers with All-IP enabled: LANCOM 1800 series, LANCOM 17x0 series, LANCOM 1650E
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Recommended mobile handsets*	→ Gigaset SL800H Pro → Gigaset SL750H Pro → Gigaset S700H Pro → Gigaset R700H Pro → Gigaset S650H Pro → Gigaset R650H Pro → Gigaset R630H Pro
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*) Note Other DECT handsets supporting the GAP standard can be used with reduced features.

VoIP

Number of local VoIP numbers / mobile handset	max.6
Number of simultaneous VoIP connections	Up to 4 voice channels in parallel
Codecs	G.711 , G.722, G.726, G.729, DTMF (Inband, RFC2833, SIP-INFO)
Media protocols	SIP, RTP
QoS	DiffServ marking of signaling (SIP) and media streams (RTP)

Interfaces

LAN	10/100 Mbps, auto node hub, PoE compliant with IEEE 802.3af
DECT	→ Frequency range: 1.88 to 1.90 GHz (EMEA) → DECT EN 300-175 X → DECT wireless transmission up to 300m in the open and 50m in buildings

Management and monitoring

LANconfig/web interface	Manual configuration with LANCOM's configuration tool or the web interface
LANmonitor	Monitoring application for Microsoft Windows for (remote) surveillance and logging of the status of LANCOM devices and connections.
Firmware update	Update via web interface (HTTP/S)

Hardware

Dimensions	105 mm x 46 mm x 132 mm (length x width x height)
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Hardware

Weight 0,26 lbs (120 g)

LED display 1 LED for status display

Power supply 6.5V 600mA, Power over Ethernet, compliant with IEEE 802.3af

Environment For indoor use (IP20), maximum temperature range 5-45° C; humidity 0-80%; non-condensing

Mounting Wall or tabletop mounting

Declarations of conformity*

CE EN 55024:2010, EN 60950-1:2006/AC:2011, EN 300 328 V1.7.1, EN 301 893 V1.7.1

*) Note You will find all declarations of conformity in the products section of our website at www.lancom-systems.com

Scope of delivery

Power supply External power adapter (230V), NEST 6.5 V / 0.6 A DC/S

Support

Warranty extension 2 years

Item number(s)

LANCOM DECT 510 IP 61901