

Information

optiPoint WL2 professional/
optiPoint WL2 professional S

Powerful wireless phone solutions for the workplace



Communication for the open minded

Siemens Enterprise Communications
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As your enterprise benefits from the cost savings and simplified management of a converged voice and data network, the next logical step is to add wireless capabilities for real time IP communications.

Equip your employees with the most advanced wireless voice solution that helps them stay productive and move about the work place or campus freely.

Siemens provides enterprise grade wireless voice solutions, that respond to your flexibility and changing needs. Uniting WLAN- and DECT-development experts from both worlds Siemens gives you the best features at a competitive price.

Telephones

Inviting and functional, the optiPoint WL2 professional/optiPoint WL2 professional S is equipped with a colored, backlit graphic display and easy access to powerful phone features. Adding applications like feature rich directories, voice dialing and access to your corporate directory makes optiPoint WL2 professional/optiPoint WL2 professional S the wireless solution of choice.

As the best in class enterprise grade VoWLAN solution, optiPoint WL2 professional/optiPoint WL2 professional S provides an unmatched voice quality, above industry standard security features and superb user Interface. Above all, it operates in both IEEE 802.11 b and IEEE 802.11g environments, so all your other connected devices receive the maximum data transfer rate.

optiPoint WL2 professional can be operated in HiPath OpenOffice ME, HiPath 2000, HiPath 3000 and HiPath 4000 environments, which also lets you enjoy your ComScendo phone features.

The Session Initiation Protocol (SIP) compliant optiPoint WL2 professional S addresses the growing SIP market and supports Siemens and many of third party SIP compliant systems.

The 802.11 standard allows the new Siemens WLAN telephones to be deployed with almost every 802.11 compatible Access Points, but within the Siemens own WLAN infrastructure additional functionality is provided.



Characteristics

Wireless LAN Voice-over-IP telephone with colored graphical display.

The optiPoint WL2 professional is supported by HiPath OpenOffice ME (from V1.0), HiPath 2000 (from V1.0), HiPath 3000 (from V5.0) and HiPath 4000 (from V2.0). The optiPoint WL2 professional S supported by SIP systems (e.g. HiPath 8000, from V2.0).

- Interfaces: WLAN, USB
- Environment:
These telephones are designed for enterprises that deploy WLAN and IP-infrastructure and HiPath or SIP-based non-HiPath communication systems
- Standards: WLAN, 802.11b (11 Mbit/s), 802.11g (full support of 54 Mbit/s), CorNet IP, SIP

Feature Set

Handset

- Handset with colored graphical display: 6 lines, 128x128 pixel resolution, 4096 colors, 3,1cm x 3,1cm (1¼ in x 1¼ in)
- Calling animation and Calling Line Identification on incoming calls
- Illuminated keypad
- Two soft keys for dynamic feature access
- Intuitive user prompting
- Illuminated MWI key
- Hands free (speaker phone) key
- Status display in standby/ idle mode: date, time, battery status, RF signal strength
- Status display in connected mode: battery status, RF-signal-strength, talk-time, off-hook sign, Caller ID
- Keypad:
12 dial keys (3x4): 0-9, # and *; 4 additional keys for on-hook, off-hook, hands-free (speaker phone), and MWI; 4-way navigation key; 2 soft keys for special functions depending on the connected system; 2 additional keys for applications

Local Directory

- Large local directory with up to 200 contacts, each contact may contain names, numbers, address, department, etc.
- CLIP is replaced by the Directory entry in the telephone itself¹⁾ or in the HiPath system²⁾

Telephone functionality

- Missed Call List
- Hands free (speaker phone)
- List of all received calls
- Dialing via numbers, SIP-URI¹⁾ and IP-address (direct IP-call)¹⁾
- Multi-line Appearance²⁾
- Speed Dials configurable
- Dialing preparation (input of telephone numbers before seizure) with correction capability
- Redialing of last 10 different dialed numbers
- Keypad Lock key and All Ringers Off key including icon for indication
- Common user Interface with Siemens desktop telephones via optiGuide user Interface²⁾
- HiPath feature access (depending on the connected HiPath system) for telephony features like call back, conference, consultation etc.
- Local SIP features¹⁾: Mute, Three-way Conference, Reject call, Call divert, Consultation, Transfer, Toggling, MWI etc.

Audio

- 16 polyphonic ringer tones (with adjustable volume)¹⁾
- 16 ringer tones, thereof 12 controlled by the HiPath system and 4 controlled by the user²⁾
- Downloadable ringer-tones
- Volume regulation (8 levels)
- Caller ID dependent ringer tones¹⁾
- VIP calls¹⁾

Value-Add applications/features

- Voice announced caller ID¹⁾
- Voice dialing
- Polyphonic ringer tones (downloadable)
- Access to LDAP Directories
- Headset connection via Slim Lumberg connector
- Vibration ringer
- Over-the-air upgrade and configuration via HiPath Deployment Service, an advanced management application
- Support of HiPath applications (e.g. Management applications, Quality Data Collection tool)

Codecs/Acoustics

- G.711 (a-law and μ -law)
- G.729ab (G.729a with VAD Voice Activity Detection)
- G.723
- G.722
- Advanced Echo Cancellation (AEC)

QoS*

- ToS
- DiffServ
- 802.1q
- 802.11e (WMM-subset)

Wireless

- 802.11g (fall-back to 802.11b)
- Frequency range: 2.4 – 2.497 GHz
- Number of selectable channels: 13 (ETSI) or 11 (North America)
- Adjustable output power: approx. +20 dBm EIRP
- Site survey tool integrated in the telephone
- data rate: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbit/s
- SSID

Security

- WEP (64, 128 bit)
- WPA
- Telephone lock via PIN
- Authentication (login/password)

Authentication

- EAP-TLS
- LEAP

Protocols/Network Features

- DHCP client
- FTP client
- VLAN support
- SNMP Trap Agent
- VoIP (SIP, RTP, RTCP, TLS)
- DNS
- HTTP and HTTPS server
- IP addressing: fixed, DHCP

Configuration

- Wireless link to WLAN access point which connects to a LAN switch
- IP connection to the HG1500 gateway in the HiPath 3000 system; CorNet IP registration
- IP connection to the HG3530 gateway in the HiPath 4000 system; CorNet IP registration
- IP connection to a SIP proxy/registrar: SIP registration
- Basic telephone configuration via DHCP
- Advanced telephone configuration via device web page (single device) or HiPath Deployment Service (for mass configuration)

Others

- Web browser based administration
- Multi-language user interface
- Date/ time with synchronization via NTP server¹⁾ or HiPath system²⁾
- Power-Supply (Li-Ion, 3,7 V, battery)
- Weight: approximately 100g / 3.5 ounces
- Dimensions (LxWxD):
Handset: 132 x 52 x 22mm /
5.2 x 2.0 x 0.9 in
Charger: 70 x 73 x 35mm /
2.7 x 2.9 x 1.4 in
- Color: light cashmere silver

PC-Software

- PC tool for exchange of contact data between Microsoft Outlook and the Local Directory of the WLAN telephone
- Download of ringer tones from PC to telephone

Accessories

- Desktop charger
- Data Link Cable USB
- Wide range of headsets available
- Choices of carrying cases
- AC adapter (by geographical region)

Notes

* In VoIP networks, voice quality is affected by the so-called Quality of Service (QoS). If the overall infrastructure supports QoS, voice quality will be higher (fewer delays, less echo, less static, etc.).

If the wireless access point or the connection route does not support QoS, voice quality will be lower. QoS includes features such as TOS (Type of Service), 802.11e (or the WMM substandard).

- ¹⁾ only available for the optiPoint WL2 professional S (SIP WLAN telephone)
- ²⁾ only available for the optiPoint WL2 professional (CorNet IP WLAN telephone)

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