Avaya 1220 IP Deskphone

Ideal for the moderate call activity of office workers

The 1220 IP Deskphone is a multi-line, intermediate-level desktop phone in the exciting 1200 Series IP Deskphones. Originally designed and optimized for small and medium-sized businesses, the 1200 Series IP deskphones are now extended to enterprises, offering a competitive feature set with contemporary styling. The 1220 IP Deskphone is ideally positioned for employees with moderate communication needs.

Key features and benefits include:

- Multi-line IP Deskphone supports up to four line/programmable feature keys, eight fixed telephony keys, four context-sensitive soft keys and six shortcut/feature keys.

- 5 lines x 25 characters display with anti-glare screen combined with a flexible two-position adjustable footstand optimizes viewing under varied lighting conditions.

- Four-way navigation cluster with Enter key maximizes user choice and flexibility in navigation.

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- Superior audio quality leverages some of the latest technologies to ensure crystal-clear conversations.

- Integrated headset and speakerphone -— supports a high-quality, two-way speakerphone (handsfree) and other optional headsets for executives or multi-tasking workers.

- Simplified communications — the most commonly used Avaya Business Communications Manager (BCM) and Avaya Communication Server 1000 features come preprogrammed on all 1200 Series IP Deskphones. You can also customize the sets from hundreds of BCM and Communication Server 1000 telephony features.

- Integrated 10/100 Base-T Ethernet switch

- with LAN and PC ports reduces costs, enabling a single cable drop to support both the phone and a collocated PC.

- Supports 802.3af standards-based PoE or local AC power via power adapter.

- Compatible with optional Key Expansion

Special features (SIP software only)

Presence

- Supports Presence Notification on phone display

- User Presence Selection

Instant Messaging

- Secure Instant Messaging from phone display

- Message Waiting indication of Instant Messages via blue LED illumination

- On/Off automatic pop-up notification of Instant Messages

- Instant Message log access via Applications Key

- Icons for read, unread, replied to Instant Messages

- Special character support for meaningful text entry

Security

- TLS secure signaling

- Certificates

- SRTP media security

Other

- Graphical status for calls (calls missed, number for each user)

- Incoming and Outgoing Privacy Settings

- Selectable ringtones (up to five) via .wav file storable on deskphone (administrator provisioned)

- Eighteen localized languages supported (up to five storable on deskphone at one time)

- Programmable Feature Keys

- Support for 1200 Series Expansion module

- Local & Network Address Book

Modules (12-key LCD-based or 18-key LED-based).

Specifications

Physical specifications

Platform support

- Avaya Communication Server 1000

- Avaya Business Communications Manager 50 and Business Communications Manager 450

Display

- Monochrome Film Super Twist Nematic (FSTN) Liquid Crystal Display, 5 line x 25 character with anti-glare coating

IP Phone footstand adjustments

- Desktop viewing adjustments: 25 and 55 degree angles

- Wall mount angle: minus 5 degrees

Fixed keys and soft keys

- Fourteen fixed keys (Handsfree, Headset, Volume Up and Down, Mute, Hold, Goodbye, Applications, Messages, Redial, Directory, Conference, Services and Quit)

- Four context-sensitive soft-keys for easy-to-use navigation[1]

Navigation cluster

- Four-way navigation cluster (left, right, up, down arrows) plus Enter key

Expansion Module

- Supports Expansion Modules for 1200 Series IP Deskphones[2] (12-key LCD-based or 18-key LEDbased[3])

User Selectable Ringtones

Headset support

- Supports third-party wired headsets

Languages supported

- Languages are platform and protocol dependent. Consult platform documentation of choice for further details.

Connectivity/data rates

- Integrated 10/100 Ethernet Switch

- Two 10/100 Ethernet ports for network connection and collocated PC connection

- Auto speed and duplex

- Manually configurable speed and duplex when used with Ethernet switches that do not auto-sense

- Auto MDIX on network port

- Ability to manually disable PC port

Dimensions

- Unpackaged: (H x W x D) 205 x 198 x 190 mm (8.1 x 7.8 x 7.5 inches) approximate, in desktop 55-degree position

- Packaged: (H x W x D) 254 x 260 x 111 mm (10 x 10.25 x 4.75 inches), approximate

Weight

- Packaged: 2.9 lb / 1.32 kg

- Unpackaged: 1.9 lb / .86 kg

Power

- Power over Ethernet: Supports IEEE 802.3af Power over Ethernet; Power Class 2

- AC power: Use Nortel approved adapter; 48VDC, 0.52A

- Power dissipation: 3.4 watts normal, 6.5 watts maximum

Protocols

- Avaya Communication Protocol

SIP Protocols

- **RFC2327** — SDP: Session Description Protocol

- **RFC2617** — HTTP Authentication: Basic and Digest Access Authentication

- **RFC2976** — The SIP INFO Method

- **RFC3108** — Conventions for the use of Session Description Protocol: ATM Bearer Connections

- **RFC3204** — MIME Media Types for ISUP and QSIG Objects

- **RFC3261** — Session Initiation Protocol (SIP)

- **RFC3262** — Reliability of Provisional Responses in the Session Initiation Protocol

- **RFC3263** — Session Initiation Protocol (SIP): Locating SIP Servers

- **RFC3264** — An Offer/Answer Model with Session Initiation Protocol (SIP)

- **RFC3265** — Session Initiation Protocol: Specific Event Notification

- **RFC3311** — Session Initiation Protocol (SIP) UPDATE Method

- **RFC3313** — Private Session Initiation Protocol (SIP) Extensions for Media Authorization.

- **RFC3323** — A Privacy Mechanism for the Session Initiation Protocol

- **RFC3325** — Private Extensions to the Session Initiation Protocol for Asserted Identity within Trusted Networks

- **RFC3329** — Security Mechanism Agreement for the Session Initiation Protocol

- **RFC3361** — Dynamic Configuration Host Protocol (DHCP-for IPV4) Option for Session Initiation Protocol Servers

- **RFC3420** — Internet Media Type Message/sipfrag

- **RFC3428** — Session Initiation Protocol Extension for Instant Messaging

- **RFC3489** — Simple Traversal of User Datagram Protocol (UDP) Through Network Address Translators

- **RFC3515** — The Session Initiation Protocol Refer Method

- **RFC3550** — RTP: A Transport Protocol for Real-Time Applications

- **RFC3551** — RTP Profile for Audio and Video Conferences with Minimal Control

- **RFC3605** — Real-Time Control Protocol (RTCP) attribute in Session Description Protocol (SDP)

Audio Quality of Service
- G.711 a- and μ-g-law, G.723.1 and

G.729a and Annex B

- 802.1p/Q, DiffServ and VLAN tagging of telephony port traffic

- Supports echo cancellation and silence suppression

Operating temperature
- +5°C to 40°C/40°F to 104°

Relative humidity
- 5% to 95% (non-condensing)

Storage temperature
- -40°C to 70°C/-40°F to 158°F

Administration and security
- Static and Full Dynamic Host Control Protocol (DHCP) address assignment (Full DHCP factory default)

- 802.1ab Link Layer Discovery Protocol (LLDP) for network auto-discovery and inventory management

- 802.1x and Extensible Authentication Protocol (EAPMD5) for network authentication and access control

- Secure signaling using standards-based DTLS[4]

- Media path encryption with RFC 3711-compliant Secure Real-time Protocol (SRTP) pre-shared key and public key infrastructure[5]

- Proactive Voice Quality Management (PVQM) for enhanced administration and diagnostics

Regulatory and safety compliance
EMC
- United States:
	FCC 47 CFR Part 15 Class B

- Canada: ICES-003 Class B

- Australia/New Zealand: CISPR 22

- European community:
	– EN55022 Class B
	– EN 55024
	– EN 61000-3-2
	– EN 61000-3-3

- Japan: VCCI

- Korea MIC: KN22 and KN24

Safety
- United States: UL 60950-1

- Canada: CSA 60950-1-03

- Australia/New Zealand:
	AS/NZS 60950.1:2003

- European Community: EN 60950-1+A11

- International: IEC 60950-1

- Mexico: NOM approvals

Other
- FCC Part 68 HAC

- IC CS-03 HAC

- Australia AS/ACIF 004

- New Zealand PTC 220

- Complies with the essential requirements and other relevant provisions of Directive 1999/5/EC10

- Complies with Reduction of Hazardous Substances (RoHS) – (6 of 6) as part of European Union Environmental Directive

- American Disabilities Act (ADA) compliant dialpad

[1] Context-sensitive soft keys are Avaya Communication Server/minimum release dependent.

[2] Number of supported modules is communication server dependent.

[3] 18-key LED-based only supported on BCM platform.

[4] DTLS is supported by CS1000 Rls 6.0, and requires a DTLS patch. MCS 5100 uses USEC but supports it natively on the IPCM

[5] Public Key Infrastructure is Avaya Communication Server/minimum release dependent. Consult Avaya server documentation of choice for support details.

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About Avaya

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