HP Poly Edge V850 OpenSIP DeskPhone with Power Supply (C93ZQAA)



Overview

Smart. Secure. Built for every call.

The HP Poly Edge V Series Open SIP desk phones deliver professional sound, security, and built-in emergency features. Easy to deploy and even easier to trust—they give IT peace of mind and teams confidence in every conversation.

Engineered for better conversations

Designed for incredible call clarity, the HP Poly Edge V Series Open SIP desk phones ensure high-quality sound and reduce background noise for better calls, in busy office environments.

Fast, discrete, and secure.

Give teams the assurance to alert security with a single button, keeping the call hidden from the interface to protect the user and those nearby. The HP Poly Edge V Series Open SIP desk phones include built-in emergency features designed for speed and discretion.

End-to-end security

The HP Poly Edge V Series Open SIP desk phones include a Trusted Security Module (TSM) for enhanced hardware and data protection—giving IT teams confidence that these phones are protected across the phone's lifecycle.

TCO Certified, generation 10

The HP Poly Edge V Series desk phones are certified according to TCO Certified[1]. This product meets a wide scope of sustainability criteria, covering both environmental and social responsibility in the supply chain and throughout the product life cycle.

Features

Screen and line support

Effortlessly handle multiple calls with reliable multi-line office phones. Get 12-line keys supporting up to 48 lines, features, and contacts on a 5” color display, and 6-line keys on the 2.4" secondary color display.

HP Poly NoiseBlockAI tech

Effectively eliminate background noise once and for all. HP Poly NoiseBlockAI uses AI and machine learning to identify and block noises ranging from barking dogs to keyboard typing, ensuring a distraction free call.

HP Poly Acoustic Fence tech

Keep the focus on the conversation in a defined zone with HP Poly Acoustic Fence technology. By creating an invisible audio boundary during calls and reducing any voices and noise outside of that zone, voices are heard with clarity.

Quick status indicators

Stay informed with style. These desk phones come packed with intuitive multi color status indicators with RGB mixing with a halo around the screen.

Accessibility features

The HP Poly Edge V Series desk phones offer improved accessibility with a text-to-speech feature, screen adjustments for color blindness, and larger font settings.

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[1] TCO Certified is a ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.

Specifications

Operating System Software	Linux®
Display Size (diagonal, metric)	12.7 cm (5") (primary); 6.1 cm (2.4") (secondary)
Display Size (diagonal)	5" (primary); 2.4" (secondary)
Panel Technology	Color LCD
Audio Features	Poly HD Voice; Full duplex audio; Echo cancellation; Poly NoiseBlockAI technology; Acoustic Fence technology
Product Dimensions W x D x H (metric)	222.87 x 212.73 x 60.04 mm
Product Dimensions W x D x H (imperial)	8.77 x 8.38 x 2.36 in
Weight (metric)	0.62 kg
Weight (imperial)	1.37 lb
External I/O Ports	1 Kensington® lock; 1 USB Type-C® 5Gbps signaling rate (host mode); 1 USB 2.0 Type-C® (OTG mode); 2 RJ-45 (10/100/1000 Mbps BASE-TX)
Package Dimensions W x D x H (metric)	255 x 304 x 85 mm
Package Weight (metric)	1.19 kg
Energy Star Certified	ENERGY STAR® certified
Special Features	Adjustable desk stand (2 positions); Wall mount clips; 2-pin standard wall mount kit available (optional); Up to 2 expansion modules support[1]
Sustainability Specifications	At least 20% post-consumer recycled plastic
Security Management	802.1X Authentication and EAPOL Media encryption via SRTP; Digest authentication; Encrypted configuration files; HTTPS secure provisioning; Password login; Support for signed software executables; Support for URL syntax with password; Transport Layer Security (TLS); Trusted Security Module; FIPS 140-3 Certification; Trusted Platform Module (TPM)
UPC Number	199642486102
Manufacturer Warranty	1 year (1/0/0) limited warranty includes 1 year of parts, no labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
What Is In The Box	Console; Handset; Desk stand; Handset cord; 48 V Power supply unit (PSU); Power supply unit (PSU) cord (NA); Ethernet cable; Warranty card; Safety and Declaration conformity booklet; Quick start guide

Additional specifications

ADA Compatibility	Compatible with commercially available TTY adapter equipment; Compliant with ADA Section 508 Subpart B 1194.23 (all); Hearing aid compatibility to ITU-TP.370 and TIA 504A standards; Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
Aspect Ratio	5:3 (primary); 3:4 (secondary)
Audio Codecs	G.711 (A-law and µ-law); G.722; G.729AB; iLBC; OPUS; G.722.1
Audio Controls	Speaker key; Mute key; Headset key; Volume +/- Key; Voicemail
Cartons Per Layer	8
Cartons Per Pallet	24 (air); 40 (ocean/ground)
Certifications and Compliances	AS/NZS 62368.1; Australia RCM; Brazil ANATEL; CISPR22 Class B; EEA EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 300 328, EN 301 893, EN 300 400, EN 300 330; EN55035; EN55032 Class B; BS/EN 62368-1, EN IEC 62311, EN 50665; FCC Part 15 (CFR 47) Class B; ICES-003 Class B; IEC 62368-1; Israel MOC; Japan MIC/VCCI; NZ Telepermit; So. Africa ICASA & NRCS; So. Korea KC; Taiwan NCC/BSMI; UL 62368-1; Bahrain TRA; China SRRC/RoHS 2.0; Eurasian Customs Union EAC; India WPC & TEC; Indonesia DJID; Jordan TRC; Kuwait CITRA; Mexico CRT/NOM NYCE; Paraguay CONATEL; Peru MTC; Philippines NTC; Qatar CRA; Oman TRA; Thailand NBTC; UAE TDRA; UK - UKCA; Ukraine UA; USA FCC
Color	Midnight blue
Datasheet Photo 01	Publication photos/HP_Poly_Edge_v850_1.png
Datasheet Photo 02	Publication photos/HP_Poly_Edge_v850_2.png
Datasheet Photo 03	Publication photos/HP_Poly_Edge_v850_3.png
Datasheet Photo 04	Publication photos/HP_Poly_Edge_v850_4.png
Display Features	LED backlights
Headset Ports	1 RJ-9; 1 Electronic Hook Switch (EHS) port for optional APP-51 adapter
Headset and Handset Compatibility	Bluetooth® headset compatibility; USB Type-C® headset support
Indicator Light	Active call (solid green); Incoming call (breathing green); Remote hold (flashing green); Busy Lamp Field (BLF) contact busy/on a call (solid red); Held call (breathing red)
Interoperability	Mobile phone pairing; Mobile phone contacts sync to phone
Layers Per Pallet	3 (air); 5 (ocean/ground)
Light Effects	Multicolor RGB halo lighting; Active call (solid green); Call on hold (solid red); Incoming call (flashing green); Voicemail (flashing red); Bluetooth® discovery (blue chase); Off hours mode (yellow breathing)
Line Keys	12-line appearance keys with status LEDs, up to 48 SIP lines with pagination
Management Software	Poly Zero Touch Provisioning; SDP; HP Poly Studio App; Poly Device Management Service

Master Carton Dimension (imperial)	17.91 x 10.63 x 13.07 in
Master Carton Dimension (metric)	455 x 270 x 332 mm
Master Carton Weight (imperial)	16.8 lb
Master Carton Weight (metric)	7.6 kg
Microphone Type	Electret condenser microphone (ECM)
Native Resolution	800 x 480 (primary); 240 x 320 (secondary)
Operating Humidity Range	5 to 95%
Operating Temperature Range (celsius)	0 to 40°C
Operating Temperature Range (fahrenheit)	32 to 104°F
Package Dimensions W x D x H (imperial)	10.04 x 11.97 x 3.35 in
Package Weight (imperial)	2.62 lb
Pallet Dimensions (imperial)	47.24 x 39.37 x 46.89 in (air); 47.24 x 39.37 x 74.21 in (ocean/ground)
Pallet Dimensions W x D x H (metric)	120 x 100 x 119.1 cm (air); 120 x 100 x 188.5 cm (ocean/ground)
Pallet Weight (imperial)	787 lb
Pallet Weight (metric)	357 kg
Power Availability	Power Supply Unit included
Power Features	Built-in auto sensing IEEE 802.3at Power over Ethernet (Class 4); USB-Type C® charger, 5 VDC, 3 A (sold separately); External universal AC/DC adapter, 48 VDC, 0.52 A, 25 W[2,3]
Products Per Pallet	120 (air); 200 (ocean/ground)
Products per Pallet Layer	40
RMN Number	PVAN-EDGE-V850
Speaker Type	Built-in speakerphone
Special Keys	6 speed dial keys with LCD labels, up to 12 with pagination key
Storage Temperature Range (celsius)	-40 to 70°C
Storage Temperature Range (fahrenheit)	-40 to 158°F
TCO Certified	TCO Certified, generation 10
Telephony and Call Handling Features	On hold key; Transfer key; 4 soft keys; Pagination key; Navigation cluster with Home & Back keys
UNSPSC Code	43191511
Wireless Technology	Passive NFC; Wi-Fi 6E (IEEE 802.11ax); Bluetooth® 5.4[6]

[1] Optional wall mount kit can be ordered separately. HP Poly Edge V Expansion Module, sold separately.

[2] External universal AC/DC adapter, 48 VDC, 0.52 A, 25 W (sold separately). USB-Type C® charger, 5 VDC, 3 A (sold separately). Power supply unit (PSU) sold separately.

[3] Ordering an optional power supply unit will be necessary if not powered over ethernet with PoE (i.e. using Wi-Fi for network).

[6] NFC-enabled Edge V series phones allow third-party applications to read serial number and other device information that can be useful in application development such as guest login for phone hoteling.

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