

HARDWARE · EVOC2 · DEPLOYMENT

The Uniden EVOC2: Plug and Play, Properly Explained

Every phone vendor says plug and play. Very few explain what the phone is actually doing in the ninety seconds after you plug it in, or what has to be true beforehand for it to work.

The EVOC2 is a twelve-line SIP desk phone that configures itself. The specification is genuinely mid-to-upper range rather than entry level: 12 SIP lines, a 2.8-inch 320×240 colour screen, 31 keys including **seven DSS keys with LED indicators** and on-screen labels, dual gigabit Ethernet with PC bypass so the desk needs one cable, **integrated PoE drawing 1.55. 10.4W**, HD audio on both handset and speakerphone with Opus, G.722 and AMR-WB wideband codecs, full-duplex acoustic echo cancellation, built-in Bluetooth 2.1 for headsets, USB support for a Wi-Fi dongle or a recording flash drive, and EHS wireless headset support.

■ The short version

#	What the phone does	What can go wrong
1	Draws power over Ethernet. No power adapter needed if the switch supports PoE, consumption is 1.55W to 10.4W.	Switch port is not PoE, or the PoE budget is exhausted. Symptom: nothing happens at all.
2	Negotiates the link and requests an IP address by DHCP. The phone ships in DHCP mode; static IP and PPPoE are available but rarely used.	No DHCP server on the VLAN, or the phone landed on a VLAN with no route out. Symptom: phone shows no IP.
3	Looks for a provisioning server. It tries SIP PnP first, then DHCP options, then TR-069, then static provisioning , highest priority to lowest.	Nothing answers. The phone boots to an unregistered state with no extension.
4	Downloads its configuration file over FTP, TFTP, HTTP or HTTPS, depending on what the server specifies.	A firewall blocking outbound HTTPS to the provisioning host. Rare, but it happens on locked-down networks.
5	Applies the configuration. SIP account, display name, DSS key layout, time zone, phonebook, ring tones, and registers to the platform.	MAC address was never entered against the extension. This is the usual cause and it is a one-line fix.
6	Synchronises the time over SNTP and shows the extension on screen. Dial tone.	Nothing, at this point. If you have reached step six you are done.

Also worth knowing

Category	Specification
SIP lines	12 SIP lines, SIP hotspot, 3-way conference
Display	2.8-inch 320x240 colour LCD, on-screen key labels, screen saver
Keypad	31 keys: 7 DSS keys with LED indicators, 1 page-switch key, 4 soft keys, 4 function keys (phonebook, MWI, headset, redial), 4 navigation keys, 2 line keys with LEDs, OK key, 12 digit.
Directory	Local phonebook 1000 entries, remote phonebook via XML/LDAP 1000 entries, call logs 1000 entries in/out/missed, black and white list call filtering
Audio codecs	Narrowband G.711a/u, G.723.1, G.726-32K, G.729A, iLBC. Wideband G.722, AMR-WB, Opus
Audio processing	HD handset and hands-free, 0.7kHz frequency response, 16kHz wideband ADC/DAC sampling, full-duplex AEC, VAD, CNG, BNE, noise reduction, packet loss concealment, dynamic adaptive.
Network	Dual 10/100/1000Mbps ports, bridged for PC bypass. IPv4/IPv6/dual stack. DHCP, static IP or PPPoE. 802.1x, VLAN, LLDP, QoS, VPN via L2TP or OpenVPN

Why the priority order matters

The EVOC2 supports SIP PnP, DHCP custom option, **DHCP option 66** (the default), DHCP option 43, TR-069 and static provisioning. If several are enabled it works down the list from PNP to DHCP to TR-069 to static. In practice this means a handset will find its way home on almost any sanely configured network, and on an unusual one there are five other routes to try before anybody has to touch a keypad. That redundancy is the actual engineering behind the phrase “plug and play”.

Questions the full guide answers

- ☐ What does plug and play actually mean on the Uniden EVOC2?
- ☐ How do I set up an EVOC2 handset on Uniden Voice?
- ☐ What are the Uniden EVOC2 specifications?
- ☐ How much does a Uniden EVOC2 handset cost?
- ☐ Does the EVOC2 need a power adapter?
- ☐ Can the EVOC2 work over Wi-Fi instead of a network cable?
- ☐ Should every staff member get a desk phone?

This is the summary. The guide has the detail.

Every point above is worked through in full on our site, with the Australian context, the numbers and the exceptions. If you would rather talk it through, call **1300 881 662** or visit **unidenvoice.com/get-started**.