



The customer premises equipment (CPE) refers to hardware and software devices that are typically provisioned and operated by the end user. These CPE profiles consist of, but are not limited to: wired and wireless unified SIP endpoints; Unified Communications software clients that operate on desktops; tablets and smartphones; integrated access devices; IP-PBXs and much more.


The CPE listed in the table below consist of customer equipment developed and certified by and for Novum Networks.

1. Cisco IP Deskphone 8800 Series With Multi-Platform Firmware


Key Features	Product
<ul style="list-style-type: none"> • Model: 8861 • Firmware version: 11.2.1 • Ideal for attendants, managers, executives • Premium phone, up to 10 lines • 5" high-resolution (800 x 480) colour display • Integrated Bluetooth • 2 USB ports • Up to 3 Key Expansion Modules • Wi-Fi • High-quality wideband audio • Low power when not in use 	
Key Features	Product
<ul style="list-style-type: none"> • Model: 8851 • Firmware version: 11.2.1 • Ideal for attendants, managers, executives • Premium phone, up to 10 lines • 5" high-resolution (800 x 480) colour display • Integrated Bluetooth • 1 USB port • Smartphone integration • Up to 2 Key Expansion Modules • Wi-Fi • High-quality wideband audio • Low power when not in use 	

Key Features	Product
<ul style="list-style-type: none"> • Model: 8841 • Firmware version: 11.2.1 <ul style="list-style-type: none"> • Ideal for managers • Advanced phone, up to 10 lines • 5" high-resolution (800 x 480) colour display • High-quality wideband audio • Low power when not in use 	
Key Features	Product
<ul style="list-style-type: none"> • Model: 8811 • Firmware version: 11.2.1 <ul style="list-style-type: none"> • Ideal for executives and teleworkers • Advanced phone, up to 10 lines • 5" high-resolution (800 x 480) greyscale display • High-quality wideband audio • Low power when not in use 	
Key Features	Product
<ul style="list-style-type: none"> • Element type: IP Deskphone Expansion Module • Model: 8800 Key Expansion Module (8861/8851) • Firmware version: Managed via attached IP deskphone <ul style="list-style-type: none"> • Session Line Mode (SLM) user experience for easy transition from 8900/9900 Series IP Phones • 18 physical, programmable LED line and feature keys per module • Second-page key provides 18 additional line and feature keys per module using software • Up to 108 programmable line/feature keys in 3-module configuration • Graphical, backlit, high-resolution colour display makes viewing easy 	

2. Cisco IP Phone 7832 Conference Phone With Multi-Platform Firmware


Key Features	Product
<ul style="list-style-type: none"> • Model: 7832 • Firmware version: 11.2.1 <ul style="list-style-type: none"> • Ideal for executives and teleworkers • Advanced phone, up to 10 lines • 5" high-resolution (800 x 480) greyscale display • High-quality wideband audio • Low power when not in use 	

3. Yealink 4xS IP Deskphone


Key Features	Product
<ul style="list-style-type: none"> • Model: T40G • Firmware version: T40G-76.81.193.110.rom <ul style="list-style-type: none"> • Yealink Optima HD voice • 2.3" 132x64-pixel graphical LCD with backlight • Dual-port gigabit ethernet • Up to 3 SIP accounts • Opus codec support • Headset, electronic hook switch (EHS) support • Stand with two adjustable angles • Wall mountable 	


Key Features	Product
<ul style="list-style-type: none"> • Model: T41S • Firmware version: T4xS(T48S,T42S,T41S)-66.81.193.110.rom <ul style="list-style-type: none"> • 2.7"192x64-pixel graphical LCD with backlight • Opus codec support • Up to 6 SIP accounts • Integrated stand with 2 adjustable angles • USB 2.0 • T4S Auto-P template unified • T4S firmware unified • Headset, electronic hook switch (EHS) support • Integrated stand with two adjustable angles • Wall mountable 	
Key Features	Product
<ul style="list-style-type: none"> • Model: T42S • Firmware version: T4xS(T48S,T42S,T41S)-66.81.193.110.rom <ul style="list-style-type: none"> • 2.7"192x64-pixel graphical LCD with backlight • Opus codec support • Up to 12 SIP accounts • Integrated stand with 2 adjustable angles • USB 2.0 • T4S Auto-P template unified • T4S firmware unified • Headset, electronic hook switch (EHS) support • Integrated stand with two adjustable angles • Wall mountable 	

Key Features	Product
<ul style="list-style-type: none"> • Model: T46S • Firmware version: T4xS(T48S,T42S,T41S)-66.81.193.110.rom <ul style="list-style-type: none"> • 4.3" 480x272-pixel colour display with backlight • Opus codec support • Up to 16 SIP accounts • Integrated stand with 2 adjustable angles • USB 2.0 • T4S Auto-P template unified • T4S firmware unified • Headset, electronic hook switch (EHS) support • Wi-Fi via WF40 • Bluetooth via BT40 • USB recording 	
Key Features	Product
<ul style="list-style-type: none"> • Model: T48S • Firmware version: T4xS(T48S,T42S,T41S)-66.81.193.110.rom • EXP40 expansion module support <ul style="list-style-type: none"> • 7" 800x480-pixel colour touch screen with backlight • Opus codec support • Up to 16 SIP accounts • Integrated stand with 2 adjustable angles • USB 2.0 • T4S Auto-P template unified • T4S firmware unified • Headset, electronic hook switch (EHS) support • Wi-Fi via WF40 • Bluetooth via BT40 • USB recording 	


Key Features	Product
<ul style="list-style-type: none"> • Element type: IP Deskphone Expansion Module • Model: EXP40 Key Expansion Module (T46S/T48S) • Firmware version: Managed via attached IP deskphone 	
<ul style="list-style-type: none"> • Rich visual experience with 160x320 graphic LCD • 20 physical keys each with a dual-colour LED • 2 independent control keys are used for fast switch pages • Wall mountable • Stand with 2 adjustable angles 	

4. Yealink 4xX IP Deskphone



Key Features	Product
<ul style="list-style-type: none"> • Model: T40P • Firmware version: T40-54.81.193.90 	
<ul style="list-style-type: none"> • 132x64-pixel graphical LCD with backlight • Opus codec support • Up to 3 SIP accounts • Integrated stand with 2 adjustable angles • T4S Auto-P template unified • T4S firmware unified • Headset, electronic hook switch (EHS) support • Wall mountable 	

Key Features	Product
<ul style="list-style-type: none"> • Model: T41P • Firmware version: T41-36.81.193.90 	
<ul style="list-style-type: none"> • 2.7"192x64-pixel graphical LCD with backlight • Optima HD voice • Up to 6 SIP accounts • Integrated stand with 2 adjustable angles • Headset, electronic hook switch (EHS) support • Wall mountable 	


Key Features	Product
<ul style="list-style-type: none"> • Model: T42G • Firmware version: T42-29.81.193.90 <ul style="list-style-type: none"> • 2.7"192x64-pixel graphical LCD with backlight • Up to 12 SIP accounts • PoE support • Integrated stand with 2 adjustable angles • Headset, electronic hook switch (EHS) support • Wall mountable 	
Key Features	Product
<ul style="list-style-type: none"> • Model: T46G • Firmware version: T46-28.81.193.90 • EXP40 expansion module support <ul style="list-style-type: none"> • 4.3"480x272-pixel colour display with backlight • Optima HD voice • Wi-Fi via WF40 • Bluetooth via BT40 • USB recording • Up to 16 SIP accounts • Integrated stand with 2 adjustable angles • Headset, electronic hook switch (EHS) support • Wall mountable 	
Key Features	Product
<ul style="list-style-type: none"> • Model: T48G • Firmware version: T48-35.81.193.90 • EXP40 expansion module support <ul style="list-style-type: none"> • 7"800x4800-pixel colour touch screen with backlight display with backlight • Optima HD voice • Wi-Fi via WF40 • Bluetooth via BT40 • USB recording • Up to 16 SIP accounts • Headset, electronic hook switch (EHS) support 	


Key Features	Product
<ul style="list-style-type: none"> • Element type: IP Deskphone Expansion Module • Model: EXP40 Key Expansion Module (T46G/T48G) • Firmware version: Managed via attached IP deskphone <ul style="list-style-type: none"> • Rich visual experience with 160x320 graphic LCD • 20 physical keys each with a dual-colour LED • 2 independent control keys are used for fast switch pages • Wall mountable • Stand with 2 adjustable angles 	



5. Yealink WXx IP DECT System/Handset

Key Features	Product
<ul style="list-style-type: none"> • Model: W60B (IP DECT System) • Firmware version: W60B-77.83.0.25 <ul style="list-style-type: none"> • Up to 8 concurrent calls • Up to 8 DECT cordless handsets • Up to 8 VoIP accounts • Support Opus audio codec • TLS and SRTP security encryption • Noise reduction system 	
Key Features	Product
<ul style="list-style-type: none"> • Model: W56H For W60B (IP DECT Handset) • Firmware version: W56H-61.83.0.10 <ul style="list-style-type: none"> • 2.4" 240 x 320 colour screen with intuitive user interface • Up to 4 simultaneous voice calls • Up to 5 DECT cordless handsets • Up to 5 multiple lines • 30 hours talk time, 400 hours standby time 	



Key Features	Product
<ul style="list-style-type: none"> Model: W53H For W60B (IP DECT Handset) Firmware version: W53H-88.83.0.10 	
<ul style="list-style-type: none"> 1.8" 128 x 160 TFT colour screen 3.5mm headset connection New charger and power supply design Charger small and more compact Charging cradle better support for handset Improved speaker for hands-free talking 18 hours talk time, 200 hours standby time 	

Key Features	Product
<ul style="list-style-type: none"> Element type: DECT USB Dongle For Yealink T41S/ T42S IP Phone (DECT Desk Phone) Model: DD10K Firmware version: T41S(T42S)-66.84.0.10.rom 	
<ul style="list-style-type: none"> Supports Yealink SIP- T41S/T42S with FW 66.82.0.35 or 66.84.0.10, Yealink T5 series Reliable connection Ease-of-use Plug and play High transmission rate 	

Key Features	Product
<ul style="list-style-type: none"> Model: CP930W For W60B (IP DECT Handset) Firmware version: CP930W-87.83.0.30 	
<ul style="list-style-type: none"> Up to 8 concurrent calls Up to 8 DECT cordless handsets Up to 8 VoIP accounts Built-in battery Up to 24-hour talk time Up to 15-day standby time Less than 4 hours charging time Optima HD voice, full duplex technology 20-foot (6-meter) and 360-degree microphone pickup range 5-way conference call Upgrade over the air 	

Key Features	Product
<ul style="list-style-type: none"> • Model: W52H For W60B (IP DECT Handset) • Firmware version: W52H-26.81.0.40 <ul style="list-style-type: none"> • Exceptional HD sound with wideband technology • 1.8" color display with intuitive user interface • 3-way conference • Phonebook search / import / export • Keypad lock, emergency call • 11 hours talk time, 120 hours standby time • Integrated PoE (Class 1) 	
Key Features	Product
<ul style="list-style-type: none"> • Element type: DECT Repeater • Model: RT20U • Firmware version: TBA <ul style="list-style-type: none"> • Compatible with DECT GAP • Compatible with Yealink W52P/W56P/W60P IP DECT Phone • Plug and play setup • Auto association • Star connection (max 5) • Clear status LED display • Slim design • Wall mountable 	
Key Features	Product
<ul style="list-style-type: none"> • Element type: DECT Repeater • Model: RT30 • Firmware version: TBA <ul style="list-style-type: none"> • Compatible with DECT CAT-iq 2.0 • Compatible with Yealink W60B/W52 DECT IP Base Station • Up to 6 repeaters per base station • Star connection • Up to 2 repeaters can be arranged in cascade • Auto association • HD voice • Plug and play setup • Clear status LED display • Elegant design • Wall mountable 	


6. Yealink CPXxx IP Conference Phone

Key Features	Product
<ul style="list-style-type: none"> • Model: CP960 • Firmware version: CP960-73.80.193.38.rom <ul style="list-style-type: none"> • 5" 720×1280 capacitive touch screen • 2 x USB 2.0 port • 20-foot (6-meter) microphone pickup range • Built in 3 microphone array, 360 degree voice pickup • 56mm diameter and 10w speaker • Full-duplex speakerphone with AEC • Echo cancellation tail length is up to 320ms • Background noise suppression 	
Key Features	Product
<ul style="list-style-type: none"> • Model: C920 • Firmware version: CP920-78.81.193.15.rom <ul style="list-style-type: none"> • 3.1" 248x120-pixel graphical LCD with backlight • Optimal HD audio, full duplex technology • 20-foot (6-meter) and 360-degree voice pickup • Built-in 3-microphone array • Sensitive touch keypad • 5-way conference call • Built-in Bluetooth 4.0 	

7. Polycom VVX IP Deskphones

Key Features	Product
<ul style="list-style-type: none"> • Model: VVX311 • Firmware version: 3111-48350-001.5.8.0.sip.ld • Expansion module: Yes (VVX-EM) <ul style="list-style-type: none"> • Backlit greyscale graphical LCD (208 x 104) • 6 line or speed dial keys • HD voice up to 7KHz on all audio paths (speaker, handset, headset) • 2 x Ethernet 10/100 or GigE (VVX 310) • Asian character support • 4-way navigation cluster with center "select" key • Supports VVX Expansion Module and VVX Colour Expansion Module (expandability up to 3 modules) 	
Key Features	Product
<ul style="list-style-type: none"> • Model: VVX401 • Firmware version: 3111-48450-001.5.7.0.sip.ld • Expansion module: Yes (VVX-EM) <ul style="list-style-type: none"> • 3.5" TFT (320 x 240) • 12 lines or speed dial keys • HD voice up to 7KHz on all audio paths (speaker, handset, headset) • 2 x Ethernet 10/100 or GigE (VVX410) • Asian character support • 4-way navigation cluster with center "select" key • Supports VVX Expansion Module and VVX Colour Expansion Module (expandability up to 3 modules) 	

Key Features	Product
<ul style="list-style-type: none"> • Model: VVX501 • Firmware version: 3111-48500-001.5.8.0.sip.ld • Expansion module: Yes (VVX-EM) <ul style="list-style-type: none"> • 3.5" (9-cm) TFT (320 x 240) • Up to 12 line appearances • Immersive capacitive touch UI • Streaming media video playback • Video conferencing via external USB cam (coming post FCS) • Full browser (Webkit) • HD voice up to 14KHz on all audio paths (speaker, handset, headset) • 2 x Ethernet 10/100/1000 • 2 x USB 2.0 host 	
Key Features	Product
<ul style="list-style-type: none"> • Model: VVX601 • Firmware version: 3111-48600-001.5.7.0.sip.ld • Expansion module: Yes (VVX-EM) <ul style="list-style-type: none"> • Large (4.3") TFT (480 x 272) capacitive touch-screen • Up to 16 line appearances/speed dials • Video playback and video conferencing via external USB cam • Plug and play with zero touch provisioning • Robust SIP feature stack • Legendary Polycom HD voice technology up to 14KHz on all audio paths (speaker, handset, headset) 	

Key Features	Product
<ul style="list-style-type: none"> • Model: VVX EM Paper • Firmware version: Managed via Attached IP Desk-phone • Expansion module phone support: (VVX311/411/501/601) <ul style="list-style-type: none"> • 40 multifunctional line keys configurable as line registration, call appearance, speed dial, DSS, or BLF • Dual-colour (red or green) illuminated LEDs for line status information • 2x Auxiliary ports; SPI bus • Up to three VVX Expansion Modules can be attached to a host phone • No additional power source is required 	
Key Features	Product
<ul style="list-style-type: none"> • Model: VVX EM Colour • Firmware version: Managed via Attached IP Desk-phone • Expansion module phone support: (VVX311/411/501/601) <ul style="list-style-type: none"> • 4.3 in LCD (480x272 pixel resolution) • Colour graphical user interface • 28 multifunctional line keys configurable as line registration, call appearance, speed dial, DSS, or BLF • Dual-colour (red or green) illuminated LEDs for line status information • 3 page keys for additional line appearances (up to 84 in total) 	


8. Polycom Trio IP Conference

Key Features	Product
<ul style="list-style-type: none"> • Model: Trio 8800 • Firmware version: 3111-65290-001.5.9.0.sip.ld <ul style="list-style-type: none"> • Gesture-based, multitouch-capable capacitive touch screen • 5-inch colour LCD (720 x 1280 pixel), 9:16 aspect ratio • 2x Auxiliary ports; SPI bus • 1x USB 2.0 Micro-B device port for use as USB audio device • Integrated Bluetooth 4.0 and NFC • 3 multicoloured capacitive-touch mute indicators • Polycom NoiseBlock • Voice activity detection 	
Key Features	Product
<ul style="list-style-type: none"> • Model: Trio 8500 • Firmware version: 3111-66700-001.5.9.0.sip.ld <ul style="list-style-type: none"> • Gesture-based, multitouch-capable capacitive touch screen • 5-inch colour LCD (720 x 1280 pixel), 9:16 aspect ratio • 1x USB 2.0 Type A-compliant host port USB battery charging BC1.2 compliant1 • 1x USB 2.0 Micro-B device port • Polycom® HD Voice™ • Voice activity detection • Comfort noise generation 	

9. Obihai Integrated Access Device

Key Features	Product
<ul style="list-style-type: none"> • Model: Obi302 • Firmware version: 3-0-1-5264 • Number of ports/lines: 2 x FXS Ports <ul style="list-style-type: none"> • 6.9 cm x 6.9 cm x 3.0 cm (2.7 in x 2.7 in x 1.2 in) • Call routing rules • Automated attendant with configurable answer delay • PIN access control to AA (Up to 4 PINs) • AA configurable outbound call routing rules • SIP service configurable inbound call routing rules 	
Key Features	Product
<ul style="list-style-type: none"> • Model: Obi508vs • Firmware version: 4-0-3-5659 • Number of ports/lines: 8 x FXS Ports <ul style="list-style-type: none"> • 4 SIP service provider service sessions • 8 x RJ-11 FXS analog phone port • 3 USB ports • VoIP codecs supported: G.711, G.726, G.729, iLBC • T.38 fax supported • Desktop, wall or 19' rack mountable • OBiTALK calling 	

10. Snom

Key Features	Product
<ul style="list-style-type: none"> Model: PA1 Firmware version: 8.7.3.25 Element type: Public Address System <ul style="list-style-type: none"> Voltage feed via network (PoE): IEEE 802.3af, class 3 Ethernet: 2 x IEEE 802.3, 10/100 Mbps switch SIP communication + multicast Central configuration and maintenance Web interface menu Remote volume configuration 4 Watt power amplifier, class D (loudspeaker not included) 	

11. Captivate

Key Features	Product
<ul style="list-style-type: none"> Model: ONHold Firmware version: 8.7.3.25 <ul style="list-style-type: none"> Streamed music and advertising on hold 	