



ESI ePhone8™ Touch Screen Enterprise IP Phone

Datasheet

With a modern, clean design, ESI ePhone8 is a high-end enterprise IP phone for business users who need immediate access to all of their important information. In addition to a 7 inch capacitive touch screen for up to 112 on-screen DSS key entries, the ePhone8 also features 20 SIP lines, HD audio with Opus support, Built-in Bluetooth, Wi-Fi connectivity (Via Wi-Fi dongle) and more.

Base Specifications

Model	Screen Size	Handset
ePhone8	7" Touch Screen	HD
Ethernet	PoE	Power Adapter
10 / 100 / 1000 Mbps	✓	Sold Separately



Overview

- 20 SIP lines
- HD audio and speaker phone and handset
- 7 inch capacitive touch screen
- Built-in Bluetooth for connecting Bluetooth headset
- Wi-Fi connectivity (via optional Wi-Fi dongle)
- Up to 112 DSS keys available at the display
- Video Codec H.264 support for receiving video calls
- Dual Gigabit ports with integrated PoE support
- Stand with two adjustable angles of 40 and 50 degrees

Call Features

- Call out / Answer / Reject
- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Do-Not-Disturb
- Auto-Answering
- Voice Message (On server)
- 3-way Conference
- Hot Line
- Hot desking

Phone Features

- Local Phonebook (2000 entries)
- Remote Phonebook (XML/LDAP, 2000 entries)
- Call logs (In/out/missed, 1000 entries)
- Black/White List Call Filtering
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Built-in Bluetooth 2.1: Support Bluetooth headset
- Wi-Fi Support with optional Wi-Fi Dongle
- Wireless headset support
- EHS support through Plantronics APD-80 cable
- Support Recording (Through Flash Drive or Server Recording)
- Action URL / Active URI
- uaCSTA (Computer Supported Telecommunications Applications)

Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz Frequency Response)
- HAC handset (Hearing Aid Compatible)
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, G.722, , G.729A/B, iLBC, Opus
- Wideband Codec: G.722, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD)
- / Background Noise Estimation (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Networking

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static / DHCP
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS
- RTCP-XR(RFC3611), VQ-RTCPXR(RFC6035)
- WIFI: 2.4Ghz via addition of optional 2.4Ghz WIFI adapter (sold separately)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Maintenance

- Auto-Provisioning via FTP / TFTP / HTTP / HTTPS / DHCP OPT66 / SIP PNP / TR-069
- Web Management Portal
- Web-based Packet-capture
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

Video

- Video codec H.264
- Video resolution 4CIF / CIF / VGA / 720P

Physical Specifications

- Main LCD x1: 7.0 inch (800x480) Capacitive touch screen
- Keypad: 26 keys, including
 - 5 Function keys (Hold, MWI, Mute, Headset, Redial)
 - 4 Navigation keys
 - 1 OK key
 - 1 Return key
 - 12 Standard Phone Digits keys
 - 2 Volume Control keys, Up/Down
 - 1 Hands-free key
- HD Handset (RJ9) x1
- Standard RJ9 Handset cord x1
- 1.5M CAT5 Ethernet Cable x1
- Phone stand x1
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- USB2.0 Port x1: Standard A, Connect (Wi-Fi USB dongle or Flash Drive optional)
- DC Power Input: 5V/2A (external power supply optional)
- Power Consumption (PoE): 2.6~ 9W
- Power Consumption (Adapter): 2.4~8W
- Working Temperature: 32~114 °F (0~45°C)
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Black
- Device Dimensions
 - Desktop Stand (Angle 1): 10.6 x 7.3 x 7.5 inches (268 x 185 x 189mm)
 - Desktop Stand (Angle 2): 10.6 x 8 x 6.7 inches (268 x 201 x 168mm)
- Phone Box Dimensions: 12 x 11.7 x 2.6 inches (304 x 297 x 66mm)
- Outer CTN Dimensions: 24.3 x 14.1 x 13 inches (616 x 358 x 329mm (10 PCS))

The above specifications may be updated in the future without prior notice.
All hardware/software/physical features should be based on the final shipped products.