ESI ePhone 8™ Enterprise IP Phone
Datasheet

With a modern design and robust feature set, the **ESI ePhone 8™** is a beautiful high-end business phone for users who need fast access to their important communications data. The vibrant and versatile 7-inch color touchscreen puts a wealth of information and apps at a user's fingertips, including up to 112 on-screen programmable DSS keys. Additionally, this phone also features 20 SIP lines, HD audio, built-in Bluetooth and Wi-Fi connectivity, and more.

Base Specifications

Model	Screen Size	Handset
ePhone 8	7"	HD
Ethernet	**PoE**	**Power Adapter**
10 / 100 / 1000 Mbps	✓	Sold Separately

2021 INTERNET TELEPHONY PRODUCT OF THE YEAR

Level Up With A High Definition USB Camera!

Take your ePhone 8™ to the next level with the add-on USB high-definition video camera (sold separately)! Share two-way video calls between other ePhone 8™ camera users and ePhone GO™ mobile applications.

- 1080p High Definition Resolution
- Auto White Balance
- Auto Exposure
- Live video with Full Screen
- Record Video
- Take Photos

- Privacy Shutter
- LED Status Light shows when camera is in use or inactive
- No Additional Software
- Plug and Play installation
- USB Powered (plugs into ePhone 8™ USB port)

Overview
- Compatible with eSIP Evolution Series™ and ESI eCloud PBX™
- 20 SIP Lines
- HD Voice (handset + speakerphone)
- 7" color capacitive touchscreen
- Built-in Bluetooth for connecting Bluetooth headset
- Built-in Wi-Fi connectivity
- 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
- Hearing Aid Compatible (HAC)

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

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
- Built-in Wi-Fi Support
- Wireless headset support
- EHS support through Plantronics APD-80 cable
- Supports 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

Video
- Supports Video Codec H.264 for inbound video calls

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)
- Built-in Wi-Fi

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

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, to Connect a flash drive
- 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 based on the final shipped products.