

Teo[®]

A WESTELCOM COMPANY

Digital Forest Line | **Fir Essential**

The **Teo Fir Essential** is an enhanced mainstream workhorse IP phone for high-velocity business users who need reliability to manage their workload. It is ideal for high-volume users within an enterprise.

- 3.5-inch color screen
- 16-line; 4-line keys
- Built-in Bluetooth
- Up to 30 DSS key entries
- HD Audio with Opus Support
- PoE and GigE





Fir Essential is an enterprise-level 2-screen IP phone. With all the necessary VoIP features and other extended features like EHS headset and WiFi dongle, it provides a high-quality, convenient user experience at an affordable price.

HIGHLIGHTS

- 16 SIP lines, 3-way conference, SIP hotspot
- 4 Line keys on the main display
- HD audio on speakerphone and headset
- 1x3.5" main color display, 1x2.4" side color displays for DSS keys
- Built-in Bluetooth for connecting headset
- Support WiFi connectivity (Via WiFi dongle)
- Support EHS wireless headset
- Up to 30 DSS keys (6 2-colored physical keys)
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 45 and 50 degrees
- Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

GENERAL

- 16 SIP lines
- HD Voice
- PoE Enabled
- 2 LCDs (Main + DSS)
- Handset / Hands-free / Headset mode
- Intelligent DSS Keys
- Desktop Stand / Wall-mountable
- Optional External Power Supply

PHONE FUNCTIONS

- Local Phonebook (2000 entries)
- Remote Phonebook (XML/LDAP, 2000 entries)
- Call logs (In/Out/Missed, 1000 entries)
- Black/White List Call Filter
- Screensaver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Support WiFi Dongle
- Support Plantronics wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)
- Support Recording (Through Flash Drive or Server)
- Action URL / Active URI
- uaCSTA
- Built-in Bluetooth 2.1: Support Bluetooth headset

CALL FUNCTIONS

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

<h2>AUDIO</h2>	<ul style="list-style-type: none"> • HD Voice Microphone/Speaker (Handset/ Hand-free, 0 ~ 7KHz Frequency Response) • HAC handset • Wideband ADC/DAC 16KHz Sampling • Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729AB, AMR, iLBC • Wideband Codec: G.722, AMR-WB, Opus • Full-duplex Acoustic Echo Cancellor (AEC) • Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR) • Packet Loss Concealment (PLC) • Dynamic Adaptive Jitter Buffer • DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO
<h2>NETWORK</h2>	<ul style="list-style-type: none"> • Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass • IP Mode: IPv4 / IPv6 / IPv4 & IPv6 • IP Configuration: Static IP / DHCP / PPoE • Network Access Control: 802.1x • VPN: L2TP / OpenVPN • VLAN • LLDP • QoS • RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
<h2>PROTOCOLS</h2>	<ul style="list-style-type: none"> • SIP2.0 over UDP/TCP/TLS • RTP/RTCP/SRTP • STUN • DHCP • IPv6 • LLDP • PPoE • 802.1x • L2TP • OpenVPN • SNTP • FTP/TFTP • HTTP/HTTPS • TR-069
<h2>DEPLOYMENT & MANAGEMENT</h2>	<ul style="list-style-type: none"> • Auto-Provisioning via FTP/TFTP/HTTP/ HTTPS/DHCP OPT66/SIP PNP/TR-069 • Web Management Portal • Web-based Packet Dump • Configuration Export / Import • Phonebook Import / Export • Firmware Upgrade • Syslog
<h2>PHYSICAL SPECIFICATIONS</h2>	<ul style="list-style-type: none"> • Main LCD x1: 3.5-inch (480x320) Color Screen • DSS Key-mapping LCD x1: 2.4-inch (240x320) Color Screen • Keypad: 42 keys, including <ul style="list-style-type: none"> - 4 Line keys (With LED Indicator) - 4 Soft-keys - 6 Function keys (Hold, Call forward, MWI, Headset, Redial) - 4 Navigation keys - 1 OK key - 12 Standard Phone Digits keys - 3 Volume Control keys (Up/Down/Mute Mic) - 6 DSS keys (With LED Indicator) - 1 Page-Switch (PS) key (With LED Indicator) - 1 Hands-free key (With LED Indicator) • HD Handset (RJ9) x1 • Standard RJ9 Handset Wire x1 • 1.5M CATS Ethernet Cable x1 • Back Rack x1 • Status Indicator light x1 (Red) • RJ9 Port x2: Handset x1, Headset x1 • RJ45 Port x2: Network x1, PC x1 (Bridged to Network) • USB2.0 Port x1: Standard A, Connect with WiFi USB dongle or Flash Driver • Safety Keyhole x1 • DC Power Input: 5V/2A • Power Consumption (PoE): 1.7W~10.46W • Power Consumption (Adapter): 1.38W~9.13W • Working Temperature: 0~45°C • Working Humidity: 10~95% • Installation: <ul style="list-style-type: none"> - Desktop Stand - Wall-mounted (w/additional mounting parts) • Color: Black • Device Dimensions: <ul style="list-style-type: none"> - Desktop Stand (Angle 1): 214x188.6x181.1 mm - Desktop Stand (Angle 2): 214x180.5x190.1 mm - Wall-mounted: 214x119.4x219.1 mm • Gift Box Dimensions: 315x228x84 mm • Outer CTN Dimensions: 476x440x335 mm (10 PCS)