

Oscom 510 – Entry Level IP handset



Professional 2 Line VoIP solution

- A good business partner

The Oscom 510 is the latest in our range of IP handsets and uses highly integrated chipsets and very sophisticated design techniques. This allows the OSCOM 510 to offer a variety of features and to provide high performance quality voice communication for users.

The OSCOM 510 is a 2 line Internet Telephony desktop phone that connects to a digital network rather than a traditional PSTN line. Basically, it needs to be connected to a LAN network at home or office and works as a desktop phone. Like a traditional telephone, it can deliver good voice quality and perform a great number of call features.

Oscom 510 – Entry Level IP handset

The OSCOM 510 can transmit and receive voice via IP network. Therefore, it can be deployed and connected over the world among home, office and remote offices. Since it is a stand-alone and always-on terminal, there is no need to have any active PC to let it work.



Key features

- Superior sound quality
- Easy to set up – Easy to use
- Multi line functionality.
- Upgradeable phone software

Oscom 510 Technical Specifications

Connections

- Integrated 2 port Ethernet switch
- Ethernet: 1 x IEEE 802.3 10 Mbps/ 803.3u 100Mbps
- Auto-negotiation with link speed and full/half duplex mode.
- Auto MDI/MDIX or both downlink and uplink.
- Support QoS IEEE 802.1p voice priority function.
- Call waiting/switching between calls
- Redialing
- Intercom – handset to handset via gateway
- Call forward all, on busy, on no answer (support for soft switch)
- Caller ID with name from phonebook
- Voice mail support (reception and handling of voice mail indication, and call to voice mail server)

User Interface

- Display: 2 line x 16 character backlit
- 12 key numerical keypad; 5-key navkey; 2 soft keys; 2 hook keys;
- Caller-ID
- Message waiting indication
- Address book (170 entries)
- Speed dialing
- Lists of missed, received and dialed calls (20 entries)
- Call waiting indication
- Clock, daylight saving, call timer
- Menu-driven user interface
- Polyphonic ring tone
- Speakerphone

Audio Features

- Ringer volume – 6 levels + off (silence ringer-icon will be displayed)
- Key sounds – click, DTMF and special tones

Call Features

- Local dial plan (call groups)
- Call hold
- Call transfer (Attended and Blind)
- Music on hold support (only via PBX)
- Call divert
- Conferencing (2 handsets + 1 VoIP) or (1 handset + 2 VoIP)
- Call park, call pick-up (only via PBX)

Power Supply

- Input 5VDC/2A power adapter (The power adapter is optional)
- Support PoE (Power over Ethernet) IEEE 802.3af device class 2 (7W)

Voice Handling

- Supports multiple Audio Codecs - G.711 (64 kbps, A-law /u-law), • G.729A*, G.723.1* (6.3K/5.3K).
- Supports VAD (voice activity detection) and CNG (voice activity detection) – volume adjustable for handset, headset, hands-free and hands free ring output.
- Supports G.165 16 mS line echo cancellation.
- Adaptive Jitter Buffering function supported.
- Hands free talking supported
- Supports multiple calls and multiple line appearance.

Note: * these features are optional. Please contact your supplier to purchase option.

Oscom 510 Technical Specifications

SIP

- RFC3261 compliance
- Digest/basic authentication
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message Waiting Indication (RFC3842), subscription for MWI events (RFC3265)
- DTMF sending in call (in band, info message and RFC2833)
- STUN Client (NAT Traversal)
- rport (RFC3581)
- REFER (RFC3515)
- 8 SIP registrations with one SIP server/registrar
- SIP configuration via http-page or from handset

Tone Function:

- DTMF tone generation and detection
- Side tone and good voice quality supported.
- Outbound DTMF relay (RFC2833/SIP-INFO) support
- Local tone support (Dial, Ring, Ring Back, Busy and other related tones)..

Set Up/Configuration

* specification subject to change without notice

The phone can be configured in 2 ways:

• At the handset display

First time the phone is connected to the internet, it connects to the Oscom configuration server and a dynamic list of service providers in different countries is presented in the display. Now the user can select the approved VoIP service provider, enter user name and password and the Oscom 510 is ready to use.

• Local Web-interface

The phone can also be manually configured by local web-interface.

- Embedded web server HTTP
- Password protection

Hardware

- Dimensions: 180 x 195 x 105 mm
- Plastic material ABS type
- Support two angles – with and without stand.
- Can be wall mounted with the stand
- Support detachable handset and curly cord.

Oscom 510 Specifications

OSCOM 510 Configuration

Information	Network	Phone	SIP	System	Phonebook
Information					
Network Information					
Network Type:	Static IP		Current IP:	172.24.170.1	
Subnet Mask:	255.255.0.0		Default Gateway:	172.24.255.250	
Primary DNS:	168.95.1.1		Secondary DNS:	168.95.192.1	
Product Information					
Product Name:	OSCOM 510		Software Version:	V1.01 Build090626	
MAC Address:	00-19-15-AC-DA-DC				
Line 1 Status					
Phone Number:	6001				
Registration State:	Registrar OK				
SIP Proxy Server:	172.24.170.70				
Line 2 Status					
Phone Number:	301				
Registration State:	Registrar OK				
SIP Proxy Server:	172.24.170.80				
<input type="button" value="Reboot"/> <input type="button" value="Logout"/>					

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