The UCM6510 IP PBX appliance is designed to bring leading edge voice, video, data, and mobility features to enterprises, small and medium businesses, retail and residential environments in an easy-to-manage fashion. This enterprise-grade on premise IP PBX supports E1, T1 and J1 networks and offers scalability by supporting up to 2000 users. The UCM6510 sports a 1GHz quad-core Cortex A9 processor, 1GB RAM and 32GB flash. This secure and reliable IP PBX delivers unified communication features at an unprecedented price point without any licensing fees, costs-per-feature, or recurring fees.

UCM6500

UC features for up to 2000 users

- Supports up to 2000 users, 50 SIP trunk accounts, up to 200 concurrent calls
- Zero configuration provisioning of Grandstream SIP endpoints
- Strongeth-possible security protection using SRTP, TLS and HTTPS encryption
- Gigabit network ports with integrated PoE+; Integrated NAT router
- Supports up to a 5-level IVR (Interactive Voice Response)
- Built-in call recording server; recordings accessed via web user interface
- Supports call queue for efficient call volume management
- Built-in Call Detail Records (CDR) for tracking phone usage by line, date, etc.
- Multi-language auto-attendant to efficiently handle incoming calls
- Integrated LDAP and XML phonebooks, flexible dial plan
- Supports any SIP video endpoint that using the H.264, H.263 and H.263+ codecs
- Supports voicemail and fax forwarding to email

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### Interfaces

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<td>2 RJ11 ports (both with lifeline capability in case of power outage)</td>
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</table>

#### NAT Router

- Yes (user configurable)

#### Peripheral Ports

- USB, SD

#### LED Indicators

- Power 1/2, PoE, USB, SD, T1/E1/J1, FXS 1/2, FXO 1/2, LAN, WAN

#### LCD Display

- 128x32 dot matrix graphic LCD with DOWN and OK buttons

#### Reset Switch

- Yes, long press for factory reset and short press for reboot

### Voice/Video Capabilities

#### Voice-over-Packet Capabilities

- LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation, Dynamic jitter Buffer, Modem detection & auto-switch to G.711

#### Voice and Fax Codecs


#### Video Codecs

- H.264, H.263, H.263+

#### QoS

- Layer 3 QoS, Layer 2 QoS

#### Signaling & Control

- In Audio, RFC2833, and SIP INFO

#### DTMF Methods

- TPRI, SS7, RFC/R2, RBS (pending)

#### Digital Signaling

- TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of Grandstream IP endpoints via ZeroConfig (DHCP Option 66 multicast SIP SUBSCRIBE mDNS), eventlist between local and remote trunk

#### Provisioning Protocol & Plug-and-Play

- TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP (RFC3261), STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending)

#### Disconnect Methods

- Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone

### Security

#### Media Encryption

- SRTP, TLS, HTTPS, SSH

#### Advanced Defense

- Fail2ban, alert events, Whitelist, Blacklist, strong password based access control

### Physical

#### Universal Power Supply

- Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A

#### Physical

- Unit Weight: 2.165 kg; Package Weight: 3.012 kg

#### Dimensions

- 440mm(L) x 185mm(W) x 44mm(H)

#### Environmental

- Operating: 32 - 113°F / 0 ~ 45°C, Humidity 10 - 90% (non-condensing)
- Storage: 14 - 140°F / -10 ~ 60°C, Humidity 10 - 90% (non-condensing)

#### Mounting

- Rack mount & Desktop

### Additional Features

#### Multi-Language Support

- English/Simplified Chinese/Traditional Chinese/Spanish/French/Portuguese/German/Russian/Italian/Polish/Czech for Web UI; Customizable IVR/voice prompts for English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic; Customizable language pack to support any other languages

#### Caller ID

- Bellcore/Telcordia, ETSI-FSK, ETSI-DMTF, SIN 227 – BT

#### Polarity Reversal/Wink

- Yes, with enable/disable option upon call establishment and termination

#### Call Center

- Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/work-load, in-queue announcement

#### Customizable Auto Attendant

- Up to 5 layers of IVR (Interactive Voice Response)

#### Maximum Call Capacity

- Up to 2000 registered SIP endpoints, up to 200 concurrent calls

#### Conference Bridges

- Up to 8 bridges, up to 64 simultaneous conference attendees

#### Call Features

- CE: ENS5022 Class B, ENS5024, EN61000-3-2, EN61000-3-3, EN60950-1, TBR21, RoHS
- RCM: AS/NZS CISPR 22, AS/NZS CISPR 24, AS/NZS 60950, AS/ACIF 5002
- ITU-T K.21 (Basic Level); UL 60950 (power adapter)
- T1: TIA-968-B Section 5.2.4
- E1: TBR4/TBR12/TBR13, E1: AS/ACIF

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