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.

**UCM6510**

**UC features for up to 2000 users**

Supports up to 2000 users, unlimited SIP trunk accounts, up to 200 concurrent calls

Zero configuration provisioning of Grandstream SIP endpoints

Strongest-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

www.grandstream.com

info@grandstream.com
### Interfaces

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Telephone FXS Ports</td>
<td>2 RJ11 ports (both with lifeline capability in case of power outage)</td>
</tr>
<tr>
<td>PSTN Line FXO Ports</td>
<td>2 RJ11 ports (both with lifeline capability in case of power outage)</td>
</tr>
<tr>
<td>T1/E1/J1 Interface</td>
<td>1 RJ45 port</td>
</tr>
<tr>
<td>PSTN Line FXO Ports</td>
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</tr>
</tbody>
</table>

### Network Interfaces

Dual Gigabit ports (switched or routed) with PoE; 1 Gigabit port for Hot-Standby Clustering

### NAT Router

Yes (user configurable)

### Peripheral Ports

USD, SD

### LED Indicators

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

### 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, H263+

**QoS**

Layer 3 QoS, Layer 2 QoS

### Signaling & Control

**DTMF Methods**

In Audio, RFC2833, and SIP INFO

**Digital Signaling**

TPRI, SS7, MFC/R2, RBS (pending)

**Provisioning Protocol & Plug-and-Play**

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

**Network Protocols**

TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPoE, 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 - 113ºF / 0 ~ 45ºC, Humidity 10 - 90% (non-condensing)

Storage: 14 - 140ºF / -10 ~ 60ºC, 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/Czeck/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

**Caller ID**

Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 – BT, NTT Japan (pending)

**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**

Call park, call forward, call transfer, DND, DISA, ring group, pickup group, blacklist, paging/intercom etc.