



# UCM6510

## UC features for up to 2000 users

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.



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



**Zero CONFIG**  
 Zero configuration provisioning of Grandstream SIP endpoints



Strongest-possible security protection using SRTP, TLS and HTTPS encryption



**Gigabit**  
 Gigabit network ports with integrated PoE; Integrated NAT router



Supports up to a 5-level IVR (Interactive Voice Response)



**REC**  
 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

<b>Interfaces</b>	
<b>Analog Telephone FXS Ports</b>	2 RJ11 ports (both with lifeline capability in case of power outage)
<b>PSTN Line FXO Ports</b>	2 RJ11 ports (both with lifeline capability in case of power outage)
<b>T1/E1/J1 Interface</b>	1 RJ45 port
<b>Network Interfaces</b>	Dual Gigabit ports (switched or routed) with PoE;
<b>NAT Router</b>	Yes (user configurable)
<b>Peripheral Ports</b>	USB, SD
<b>LED Indicators</b>	Power 1/2, PoE, USB, SD, T1/E1/J1, FXS 1/2, FXO 1/2, LAN, WAN
<b>LCD Display</b>	128x32 dot matrix graphic LCD with DOWN and OK buttons
<b>Reset Switch</b>	Yes, long press for factory reset and short press for reboot
<b>Voice/Video Capabilities</b>	
<b>Voice-over-Packet Capabilities</b>	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
<b>Voice and Fax Codecs</b>	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, iLBC, GSM, AAL2-G.726-32, ADPCM; T.38
<b>Video Codecs</b>	H.264, H.263, H263+
<b>QoS</b>	Layer 3 QoS, Layer 2 QoS
<b>Signaling &amp; Control</b>	
<b>DTMF Methods</b>	In Audio, RFC2833, and SIP INFO
<b>Digital Signaling</b>	TPRI, SS7, MFC/R2, RBS (pending)
<b>Provisioning Protocol &amp; Plug-and-Play</b>	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
<b>Network Protocols</b>	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)
<b>Disconnect Methods</b>	Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone
<b>Security</b>	
<b>Media Encryption</b>	SRTP, TLS, HTTPS, SSH
<b>Advanced Defense</b>	Fail2ban, alert events, Whitelist, Blacklist, strong password based access control
<b>Physical</b>	
<b>Universal Power Supply</b>	Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A
<b>Physical</b>	Unit Weight: 2.165 kg; Package Weight: 3.012 kg
<b>Dimensions</b>	440mm(L) x 185mm(W) x 44mm(H)
<b>Environmental</b>	Operating: 32 - 113°F / 0 ~ 45°C, Humidity 10 - 90% (non-condensing) Storage: 14 - 140°F / -10 ~ 60°C, Humidity 10 - 90% (non-condensing)
<b>Mounting</b>	Rack mount & Desktop
<b>Additional Features</b>	
<b>Multi-Language Support</b>	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
<b>Caller ID</b>	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 - BT
<b>Polarity Reversal/Wink</b>	Yes, with enable/disable option upon call establishment and termination
<b>Call Center</b>	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/work-load, in-queue announcement
<b>Customizable Auto Attendant</b>	Up to 5 layers of IVR (Interactive Voice Response)
<b>Maximum Call Capacity</b>	Up to 2000 registered SIP endpoints, up to 200 concurrent calls
<b>Conference Bridges</b>	Up to 8 bridges, up to 64 simultaneous conference attendees
<b>Call Features</b>	Call park, call forward, call transfer, DND, DISA, ring group, pickup group, blacklist, paging/intercom etc.

**Compliance**  
FCC: Part 15 (CFR 47) Class B, Part 68  
CE: EN55022 Class B, EN55024, 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