Product Name: Grandstream UCM6510 IP PBX

Manufacturer: Grandstream

Model Number: UCM6510

Grandstream UCM6510 IP PBX

The Grandstream UCM6510 IP PBX is an innovative IP PBX appliance for E1/T1/J1 networks that brings enterprise-grade Unified Communications and security protection to enterprises, small-to-medium businesses (SMBs), retail environments and residential settings in an easy-to-manage fashion. Powered by an advanced hardware platform and revolutionary software functionalities, the UCM6510 offers a breakthrough turnkey solution for converged voice, video, data, fax, security surveillance, and mobility applications out of the box without any extra license fees or recurring costs

Grandstream UCM6510 Key Features

• 1GHz quad-core Cortex A9 application processor, large memory (1GB DDR3 RAM, 32GB Flash) and dedicated high performance multi-core DSP array for advanced voice processing

• 1 integrated T1/E1/J1 interface, 2 PSTN trunk FXO ports, 2 analog telephone/Fax FXS ports with lifeline capability in case of power outage and up to 50 SIP trunk accounts

• Hardware DSP based 128ms-tail-length carrier-grade line echo cancellation (LEC), hardware based caller ID/call progress tone and smart automated impendance matching for various countries

• Gigabit network port(s) with integrated PoE, USB, SD card; integrated NAT router with advanced QoS support

• Strong defense against malicious attacks (Fail2ban, Whitelist, Blacklist, alerts, etc.)

• Data communication via T1/E1/J1 and data-voice combined communication via T1/E1/J1 with SS7 or PRI

• Supports up to 2000 SIP endpoint registrations, up to 200 concurrent calls (up to 100 SRTP encrypted concurrent calls) and up to 64 simultaneous conference attendees

• Flexible dial plan, call routing, site peering, call recording (manual & automatic per SIP call & SIP trunk), control panel for endpoints, integrated NTP server & integrated LDAP contact directory

• Automated detection and provisioning of IP phones, video phones, ATAs, gateways, SIP cameras and other endpoints for easy deployment

• Strongest-possible security protection using SRTP, TLS and HTTPS with hardware encryption accelerator

• Redundant power supply, support for Hot Standby Clustering & High Availability to minimize system down time (pending)

• Automatic export of previous day’s data; periodically cleans up user data

Grandstream UCM6510 - Technical Specifications

Interfaces

• Analog Telephone FXS Ports 2 RJ11 ports (both with lifeline capability in case of power outage)

• PSTN Line FXO Ports 2 RJ11 ports (both with lifeline capability in case of power outage)

• T1/E1/J1 Interface 1 RJ45 port

• Network Interfaces Dual Gigabit ports (switched or routed) with PoE; A 3rd Gigabit port for Hot-Standby Clustering

• 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, 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 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
• Video Codecs H.264, H.263, H263+
• QoS Layer 3 QoS, Layer 2 QoS

Signaling & Control

• In Audio, RFC2833, and SIP INFO In Audio, RFC2833, and SIP INFO
• PRI, SS7, MFC/R2, RBS (pending) PRI, 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/mDNS), eventlist between local and remote trunks
• Network Protocols 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 - 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/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
• 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
• 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 CE: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, TBR21, RoHS ITU-T K.21 (Basic Level); UL 60950

(power adapter) T1: TIA-968-B Section 5.2.4 E1: TBR12/TBR13, E1: AS/ACIF

Price: £1,260.00