DATASHEET

1015779

UCM6304

FXO/FXS VoIP Gateway



- 4 x FXO ports for PSTN trunk connectivity
- 4 x FXS ports for analog phones, fax or legacy devices
- Fax-over-IP support(T.38) and analog fax passthrough
- SRTP, TLS, HTTPS, SSH and 802.1X encryption
- Multiple codec support

Description

The UCM6304 integrates VoIP, analog and data communications in a single appliance. It includes 4xFXO ports for PSTN lines and 4xFXS ports for analg phones or fax machines, enabling seamless connectivity between legacy analog systems and modern SIP networks. With support for advanced call routing, IVR, conferencing and fax-over-IP (T.38), the UCM6304 provides a reliable hybrid telephony solution for businesses transitioning to VoIP.

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Specifications

GENERAL	
Dimensions	485mm(L) x 187,2mm(W) x 46,2mm(H)
Weight	2490g
Environmental	Operating: 32 - 113ºF / 0 ~ 45ºC, Humidity 10 - 90% (non-condensing); Storage: 14 - 140ºF / -10 ~ 60ºC, Humidity 10 - 90% (non-condensing)
Universal Power Supply	2x DC 12V Power Jack; Input: 100 ~ 240VAC, 50/60Hz; Output: 12VDC, 2A
Mounting	Rack mount & Desktop
Analog Telephone FXS Ports	4 RJ11 ports (both with lifeline capability in case of power outage)
PSTN Line FXO Ports	4 RJ11 ports (both with lifeline capability in case of power outage)
Network Interfaces	3 self-adaptive Gigabit ports (switched, routed or dual mode) with PoE+
NAT Router	Yes (user configurable)
Peripheral Ports	2 x USB 3.0, SD
LED Indicators	Power 1/2, FXS, FXO, LAN, WAN, 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

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	press for reboot
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, NetEQ, FEC 2.0, jitter resilience up to 50% audio packet loss
Voice and Fax Codecs	Opus, G.711 A-law/U-law, G.722, G722.1 G722.1C, G.723.1 5.3K/6.3K, G.726-32, G.729A/B, iLBC, GSM; T.38
Video Codecs	H.264, H.263, H263+, VP8
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
DTMF Methods	In-band audio, RFC2833, and SIP INFO
Provisioning Protocol & Plug-and-Play	Mass provisioning using AES encrypted XML configuration file, auto-discovery & auto-provisioning of Grandstream IP endpoints via ZeroConfig (DHCP Option 66 multicast SIP SUBSCRIBE mDNS), eventlist between local and remote trunk
Network Protocols	SIP, TCP/UDP/IP, RTP/RTCP, IAX, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, STUN, SRTP

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	PPPoE, STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending), IPv6, OpenVPN®
Disconnect Methods	Busy/Congestion/Howl Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect
Media Encryption	SRTP, TLS, HTTPS, SSH, 802.1X
Multi-Language Support	-Web UI: English, Simplified Chinese, Traditional Chinese, Spanish, French, Portuguese, German, Russian, Italian, Polish, Czech, Turkish - Customizable IVR/voice prompts: English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic, Nederlands - Customizable language pack to support any other languages
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 – BT, NTT
Compliance	FCC: Part 15 (CFR 47) Class B, Part 68 CE: EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 62368-1, ETSI ES 203 021, ITU-T K.21 IC: ICES-003, CS-03 Part I Issue 9 RCM: AS/NZS CISPR 32, AS/NZS 62368.1, AS/CA S002, AS/CA S003.1/.2 Power

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adapter: UL 60950-1 or
UL 62368-1

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