FCM630A

Unified communications IP-PBX

A powerful, scalable platform that unifies voice, instant messaging, meetings, mobility and more for up to 250 users.



250	50	3 × GbE	50
Registered users	Concurrent calls	Ports with PoE+	Parties, 3 meeting rooms

Unified business communication

The FIBERME FCM630A Audio series lets businesses build powerful, scalable unified communication and collaboration solutions, unifying voice, instant messaging (IM), voice and web meetings, data, analytics, mobility, facility access and intercoms.

It supports up to 250 users, with a built-in IM and voice/web conferencing platform and a free app for collaborating from desktops, mobile devices, IP phones and other SIP endpoints.

At a glance

Users	Up to 250
Concurrent calls	Up to 50
Network	3 × GbE, PoE+
Display	320 × 240 touch LCD

Up to 250 users
Supports up to 250 users and up to 50 concurrent calls.

Built-in collaboration
IM, audio conferencing and web meetings, accessible from computers, mobile devices and SIP endpoints.

Zero config and open API
Zero-configuration provisioning of FIBERME SIP endpoints; API for third-party CRM and PMS integration.

Advanced security
Secure boot, a unique certificate and a random default password protect calls and accounts.

Gigabit network with PoE+
Three Gigabit auto-sensing RJ45 ports with integrated PoE+ and NAT router support.

Reliable, resilient voice
Hot standby high availability and local dual deployment; full-band Opus codec resilient to 50% packet loss.

Technical specifications

Interfaces, voice, platform, call features, physical and compliance specifications of the FCM630A.

Interfaces and hardware	
Analog FXS / FXO ports	None
Network interfaces	Three self-adaptive Gigabit ports (switched, routed or dual mode) with PoE+
NAT router	Yes (router mode and switch mode)
Peripheral ports	1 × USB 3.0, 1 × SD card interface
LCD display	320 × 240 color touch-screen LCD with shortcut keys and scroll bar
LED indicators	None
Reset switch	Yes: long press for factory reset, short press for reboot

Voice and signaling	
Voice-over-packet	LEC with NLP packetized voice protocol unit; 128 ms tail-length carrier-grade line echo cancellation; dynamic jitter buffer; modem detection and 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/μ-law, G.722, G.722.1, G.722.1C, G.723.1 5.3K/6.3K, G.726-32, G.729A/B, iLBC, GSM; T.38
QoS	Layer 2 (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS)
DTMF methods	In-band audio, RFC 4733, SIP INFO
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 – BT, NTT
Polarity reversal / wink	Yes, with enable/disable option on call establishment and termination
Disconnect methods	Busy/congestion/howl tone, polarity reversal, hook flash timing, loop current disconnect

Platform, protocols and security	
Telephony OS	Based on Asterisk version 16
API	Full API for third-party platform and application integration
Provisioning and plug-and-play	Mass provisioning with AES-encrypted XML configuration files; auto-discovery and auto-provisioning of FIBERME IP endpoints via ZeroConfig (DHCP Option 66, multicast SIP SUBSCRIBE, mDNS); event list between local and remote trunks
Network protocols	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending), IPv6, OpenVPN®
Media encryption	SRTP, TLS, HTTPS, SSH, 802.1X
Firmware upgrade	Via local firmware file upload; unified firmware for the FCM63xA series

Technical specifications (continued)

Calls and applications	
Maximum call capacity	250 users; 50 concurrent calls (G.711); 50 concurrent SRTP calls (G.711)
Conference bridges	3 meeting rooms, up to 50 parties
Call center	Multiple configurable call queues; automatic call distribution (ACD) based on agent skills, availability and workload; in-queue announcements
Auto attendant	Customizable, up to 5 IVR layers in multiple languages
Softphones	Compatible with Windows, Mac, Android and iOS
Call features	Call park, forward, transfer, waiting, caller ID, record, history; ringtone, IVR, music on hold, call routes, DID, DOD, DND, DISA; ring group, ring simultaneously, time schedule, PIN groups, call queue, pickup group, paging/intercom; voicemail, call wakeup, SCA, BLF, voicemail to email, fax to email; speed dial, call back, dial by name, emergency call, call follow me, blacklist/whitelist, voice meeting, event list, feature codes, busy camp-on/call completion, voice control
Multi-language support	Web UI: English, Simplified Chinese, Traditional Chinese, Spanish, French, Portuguese, German, Russian, Italian, Polish, Czech, Turkish. IVR/voice prompts (customizable): English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic. Customizable language packs for any other language

Physical and compliance	
Power supply	Universal; input 100–240 VAC, 50/60 Hz; output 12 V DC, 1.5 A
Dimensions (L × W × H)	270 × 175 × 36 mm
Weight	Unit 705 g; package 1131 g
Temperature and humidity	Operating 0–45 °C (32–113 °F); storage −10–60 °C (14–140 °F); humidity 10–90%, non-condensing
Mounting	Wall mount and desktop
Compliance	FCC Part 15 Class B; CE: EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 62368-1; RCM: AS/NZS CISPR32, AS/NZS 62368.1, AS/CA S004; IC: ICES-003, CS-03

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Certifications

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