

# IG 200-15

## IP-PBX

- 15 concurrent calls, 60 registered users, 15-attendee conference
- Integrated 4 PSTN Trunk FXO Ports Plus 2 FXS Ports
- Comprehensive features for unified communications
- High level of security protection (SRTP, TLS & HTTPS)



The IG200 is an IP PBX appliance designed to bring enterprise-grade unified communications and security protection to all levels of businesses at an unprecedented price point without any licensing fees, costs-per-feature, or recurring fees. The IG200 enables enterprises to unify multiple communication technologies, such as comprehensive voice, fax, calling, conferencing, video/audio surveillance, data tools, security surveillance, mobility, and facility access management into one commonly managed or accessible network.

With a advanced hardware platform and software functionalities, the IG200 can support up to 500 registered users and offer effortless setup and deployment via the web-browser user interface. Besides auto-discovery of diverse endpoints and auto-provisioning, the IG200 series offers a set of comprehensive features, including customizable call-routing, multi-level IVRs, call queues, auto-attendant, call detail records (CDR), multi-site peering, voicemail/fax forwarding to email and more.

### Key Features

- Supports 60 users (expandable to 120), 15 SIP trunk accounts, up to 15 concurrent calls, 15 conference attendees
- Integrated 4 PSTN trunk FXO ports, 2 analog telephone FXS ports with lifeline capability
- Supports up to a limitless-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.
- Supports voicemail and fax forwarding to email
- Integrated LDAP and XML phonebooks, flexible dial plan
- Zero configuration provisioning of Mainstream SIP endpoints
- Highest level of security protection using SRTP, TLS and HTTPS encryption
- Hi-speed network ports with Integrated NAT router and built-in firewall
- Multi-language auto-attendant to efficiently handle incoming calls
- 1.5GHz ARM Quad-core processor, 1GB DDR RAM, 8GB EMMC Flash

### Unique Selling Points



#### Hi-Interoperability with Network

IG200 has the super NAT network adaptability. In the system deployment, the remote SIP extension registered to the IG200 need not any NAT traversal setting.



#### Excellent Compatibility

Without NAT traversal setting, IG200 could be compliant with other mainstream SIP endpoints or components with changeable IP addresses, which effectively reduces complexity of configuration.



#### Intelligent Resource Allocation

IG200 optimizes system resource utilization and system efficiency via stochastic algorithm, effectively minimizing hitting over processor resource and improving reliability in any scenarios.



#### High User-Friendliness

IG200 leverages autoclip intelligent inbound routing mechanism. With call records, IG200 can intelligently match inbound call number with historic called one in autoclip. Moveable extension, call forwarding, DND, etc are available.

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## Multiple High-Security Modes

Multiple security mechanisms in IG200 are available, including password, ACL, data filtering, etc. Besides, outbound routing, DISA, conference, voice mail and other applications support PIN code setting to customize dynamic firewall.



## Flexible Surveillance

IG200 adapts flexible multiple-layer monitoring modes to protect privacy at maximum level and ensure high-level of security and reliability in most conditions.

## Technical Specifications

### Interfaces

Analog Telephone FXS Ports	2 ports (both with lifeline capability in case of power outage)
PSTN Line FXO Ports	4 ports (UC200)
Network Interfaces	Dual (UC200) 10/100 RJ45 ports
NAT Router	Yes (UC200)
Peripheral Ports	USB, TF
LED Indicators	Power/Ready, Network, PSTN Line, USB, TF
Reset Switch	Yes

### Voice/Video Capabilities

Voice-over-Packet Capabilities	LEC with NLP Packetized Voice Protocol Unit, 32~128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer
Voice and Fax Codecs	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, GSM, AAL2-G.726-32; T.38
Video Codecs	H.264, H.263, H263+
QoS	Multiple Layers

### Signaling & Control

DTMF Methods	In Audio, RFC2833, and SIP INFO
Provisioning Protocol & Plug-and-Play	TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of various IP endpoints with no Configuration
Network Protocols	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP (RFC3261), STUN, SRTP, TLS, LADP
Disconnect Methods	Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone

### Security

Media Encryption	SRTP, TLS, HTTPS, TELNET with Fail2ban, Whitelist, Blacklist, alerts and more to protect against attacks
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### Physical

Dual Power Supply	Output: 12VDC, 2A; Input: 100 ~ 240VAC, 50 ~ 60Hz
Dimensions	UC200: 186mm L x 108mm W x 30mm H
Weight	UC200: Unit weight 0.83kg, Package weight 1.1kg
Environmental	Operating: 32 ~ 113°F / 0 ~ 45°C, 8 ~ 90% (non-condensing); Storage: -4 ~ 185°F / -20 ~ 85°C
Mounting	Wall mount & Desktop & Rack mount

### Additional Features

Multi-Language Support	English/Chinese/Traditional Chinese for Web UI; Customizable IVR/voice prompts for English, Chinese, British English; Customizable language pack to support any other languages
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF
Polarity Reversal/Wink	Yes, with enable/disable option upon call establishment and terminatio
Call Center	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/ busy level, in-queue announcement
Customizable Auto Attendant	Unlimited layers of IVR (Interactive Voice Response)
Maximum Call Capacity	Up to 50 even in SRTP encrypted
Conference Bridges	Up to 25 simultaneous PSTN or IP participants
Call Features	Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.