

JD2000

Cloud MCU (Multipoint Control Unit)



Features

Cloud services and open standard

- Cloud architecture design, unified cloud service and management
- Up to 1000 virtual conference room, easy for conference initiating
- Standard H.323/SIP, H.239/BFCP, REST API for interoperability

High-performance and high-capacity

- Up to 64 HD endpoints in one conference per unit
- Up to 25CP (continuous presence) @2 group conference simultaneously
- Up to 1000 concurrent IM clients
- Max. Network throughput: 128Mbps
- 6-level cascade for large conference
- Supports 10 TV wall servers stack

Excellent network adaptability

- Embedded proxy for NAT and firewall traversal
- IPLR (Intelligent Packet Loss Recovery)
- Qos (DiffServ, IP Precedence)
- Stream uploading and smooth sending control
- Automatic redial if there is any disconnection
- Multi-network-segment access

High reliability

- Embedded OS
- 1+1 hot backup
- Dual network port hot backup
- Dual power hot backup

Specifications

JD2000	
Sub Models	-L -H
System standard	H.323, SIPH.225, H.235, H239, BFCP, H.245, H.281
Video Standard	H.264HP, H.264BP H.265, H.264HP, H.264BP
Audio Standard	G.711, G.719, G.722, G.722.1 Annex C/Polycom@ Siren14TM, G.728, G.729, Opus, MPEG-4 AAC (LC/LD stereo), MPEG-4 AAC (LC/LD)
Network Protocol	TCP/IP, TELNET, SSH, FTP/FTPS, HTTP, RTP/RTCP/RTS
Conference Functions	Virtual conference room, independent conference call, conference appointment, email notification, SMS notification, conference schedule push, cloud address book, venue pre-supervision, conference recording and broadcasting control(with external server), conference subtitles, VIP continuous presence, voice activation switching, conference roll call, conference polling, virtual tv-wall, instant messaging, permanent conference
Conference Bitrate	64Kbps-8Mbps
Call Capacity	User License: 2-64 Network Throughput: 128 Mbps Call Capacity : 64 HD Endpoints (64 x 2M or 32 x 4M) Proxy Capacity : 64 HD Endpoints (64 x 2M or 32 x 4M)
Conference Group	Continuous Presence(CP) conference: H.264: 1080P30 / 720P30, 2 groups; or H.264: 1080P60, 1 group Audio Mixing: 2 groups Dual Call Rate: 1 group Resolution Adaptive: 1 group Pre-adaptor before CP: 1 group, access up to 4 sites@ 1080p30 or 9 sites @ 720p30 third party endpoints Speech Mode:10 group Continuous Presence(CP) conference: H.264: 1080P30 / 720P30, 2 groups; or H.265: 1080P30, 1 group; or H.264: 1080P60, 1 group Audio Mixing: 2 groups Dual Call Rate: 1 group Resolution Adaptive: 1 group Pre-adaptor before CP: 1 group, access up to 4 sites@ 1080p30 or 9 sites @ 720p30 third party endpoints Speech Mode:10 group
Video Resolution	Video: 1080i/p (1920 x 1080), 720p (1280 x 720), 4CIF (704 x 576), CIF (352 x 288) Content: UXGA (1600x1200), SXGA (1280x1024), WSXGA (1280x854), WXGA (1280x800), XGA (1024x768), SVGA (800x600), VGA (640x480)
Continuous Presence(CP)	2/3/4/9/16/25/N+1 etc. Two modes for video source: dynamic following and manual specifying The speaker and administrator can be distinguished by window frame colors.
Audio	Customized or intelligent audio mixing mute and dumb Voice Active Detection
Dual Stream	H.239/BFCP supported Configurable video format and resolution The permission for initiating dual streams can be controlled.
Management	Unified web portal, unified user management, unified conference management, unified equipment management, unified resource management, unified report management
Instant Message	Supports XMPP protocol and instant messaging between software client endpoints; IM client supports viewing organizational structure, text chat, file transmission, group discussion, join virtual conference room, initiating conference and other functions; Supports up to 1000 concurrent IM clients without external server
Conference Initiating	Start a conference or schedule a conference through a web page Initiating a conference by template via hardware or software endpoints
Embedded GK	Endpoint registration Address resolution Call control Bandwidth control Regional management
Recording and Playback	Conference recordings and playbacks can be controlled.
Video Wall	Supports external video wall servers Embedded proxy to realize NAT/firewall transversal
Network	IPLR (Intelligent Packet Loss Recovery) Dynamic bitrate adjustment Qos(DiffServ, IP Precedence) MT stream uploading and smooth sending control Automatic recall due to disconnection Multi-network-segment access
Cascade Conference	Supports the combination of simply cascaded and combined cascaded conferences The main MCU can directly control the endpoints connected to lower level MCU Six-level cascading management
Security Features	Embedded OS H.235 conference encryption AES 256 encryption Conference password authentication, uninterrupted conference, hidden conference, User authentication and authorization, Built-in firewall Settings
Interfaces	3 x Gigabit network ports, RJ45 interface 2 x USB, 1 x RS232
Reliability	Dual Network Port Backup Dual Power Backup 1+1 JD2000 Hot Backup with same configuration
Electricity	Power consumption: ≤250W Power supply: Dual Power Supply, AC (100V-240V/50~60Hz)
Operating Environment	Ground resistance: ≤5Ω Operating temperature: 0°C~45°C Operating humidity: 10%-90% (non-condensing) Atmospheric pressure: 70-106 kPa
Physical Characteristics	Weight: <10kg / 22lb Dimensions: 93 x 443 x 566mm / 3.66" x 17.44" x 22.28"