HUAWEI CloudLink Edge 1000

Integrated Video Conferencing Solution

Overview

HUAWEI CloudLink Edge 1000 is a highly integrated small-scale video conferencing solution that combines a meeting management platform, media processing platform, address book, public-private network traversal server, and GK/SIP server into one device. It creates a feature-rich video conferencing platform for small- and medium-sized enterprises, enabling flexible communications both within an enterprise and with the wider world.

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Convergence of audio, video, presentation, and data for seamless team collaboration

One touch to join a meeting, automatic continuous presence

Core technologies developed in-house, secure and reliable E2E architecture

Highlights

All-in-One Design, No Installation

· A fully self-contained system that integrates a meeting management platform, media processing platform, address book, public-private network traversal server, and GK/SIP server
· 4-hour rapid rollout with pre-installed software and simplified configuration

Flexible Networking, Rich Media Access

· Standard H.460/ICE traversal protocols and interoperability with third-party standard video conferencing systems, allowing for communications between different enterprises and networks
· Convergence of audio, video, presentation, and data for seamless team collaboration
· HD codec H.265 SCC for data conferencing
· H.323+SIP hybrid networking and hybrid conferencing that extends to meeting room terminals and personal desktop/mobile terminals
· Data conference access from multiple browsers such as Internet Explorer, Firefox, and Chrome
· Independent MCUs, recording servers, and facial recognition servers can be added to provide more media processing resources, recording resources, and facial recognition functions.

Powerful Meeting Functions, Effortless to Use

· Various methods for starting or joining meetings, such as SiteCall, one-touch, and URI Various methods for starting or joining meetings, such as SiteCall, one-touch, and URI
· Automatic continuous presence and meeting control on the management platform or terminals
· H.264 HP delivers better images at 50% lower bandwidth
· SEC guarantees smooth audio and video conferencing even when the packet loss rate reaches 30% (SEC: Super Error Concealment)
· Simplified O&M made possible by remote inspection, fault information export, and centralized upgrade
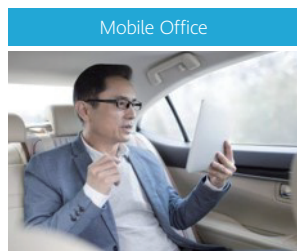
Homegrown Core Technologies, Secure and Reliable

· Key technologies with independent intellectual property rights, including universal transcoding conferencing, AI-enabled collaboration, audio and video collection enhancement, audio and video codec, and QoS network optimization (dynamic rate increase and decrease)
· Proactive information security protection
  - Blacklist and whitelist management, hierarchical and role-based user management, and flexible user level division and rights control
  - Media, signaling, and management data encrypted through various measures, including H.235, SRTP/TLS, HTTPS, SSH, and SNMPv3

Application Scenarios

The CloudLink Edge 1000 is suited to small- and medium-sized enterprises. It extends video communications and collaboration to users anywhere at any time, from any device.

Desktop Office	Mobile Office	Communication with Other Depts	Communication Across Enterprises

Features

Functions and Features	
Meeting management and control	· Role-based meeting rights control on the portal (roles: common user, meeting administrator, and system administrator) · Web-based reservations of Virtual Meeting Room (VMR) meetings, recurring meetings, and permanent meetings · SiteCall, audio/video IVR call, and call by URI, IP address, or VMR number · Meeting control by the administrator or chairperson (chairperson flexibly specified on demand) · Overlapping captions and meeting status icon · Meeting operations such as Add/Delete Participant, Call/Disconnect Participant, Mute Participant Mic/Speaker, Adjust Volume, Broadcast Participant, View Participant, and Set Continuous Presence · Meeting scheduling in Outlook and meeting notification by email · Professional meeting control and monitoring functions with a VDC client, suitable for different scenarios, especially administrative meetings
Media access	· Video conferencing, data conferencing, and hybrid conferencing · Voice activation, continuous presence per port, automatic continuous presence (25 panes at most, special Ontable mode for triple-screen telepresence participants), and up to 60 layouts for automatic and manual continuous presence Presentation adaptation · Collaboration functions including whiteboard and screen sharing
Call control and public-private network traversal	· Node registration, call control, bandwidth management, status display, route management, zone management, and number change · Data conference proxy, HTTP reverse proxy, and NAPT proxy · Standard H.323 GK/SIP server/SIP proxy · Standard traversal protocols including H.460 18 and H.460 19 (H.323) and ICE/STUN/TURN (SIP) · Huawei's proprietary SNP traversal protocol · Supports traversal between public and private networks through the built-in SC or extended standalone SC

Network adaptability	· 64 kbit/s to 8 Mbit/s bandwidth for a video call · IPv6/IPv4 networking · QoS policies including DiffServ (DSCP), IP Precedence, and ARQ · SEC, which guarantees smooth video at the packet loss rate of 30%, and Intelligent Rate Control (IRC), which is used to dynamically adjust the bandwidth for video conferencing · Acoustic echo cancellation (AEC), automatic noise suppression (ANS), and automatic gain control (AGC), amplifying sound quality
Security	· Blacklist and whitelist management, hierarchical and role-based user management, and flexible user level division and rights control · Media, signaling, and management data encryption using a variety of protocols, including H.235, SRTP/TLS, HTTPS, SSH, and SNMPv3
Reliability	· Multiple backup mechanisms for power supplies, fans, and hard disks · Supports resource pool management. Media resources in a resource pool or in different resource pools can back up with each other

Specifications

System Capacity	
Max. number of registered terminals	1000
Max. number of calls	500
Max. number of built-in MCU ports	25 1080p30
Max. traversal bandwidth of built-in SC	60 Mbit/s

Ordering Information

Category	Description	Remarks
Deployment scheme	Software preinstallation: Huawei TaiShan 200 server (model: 2280)	–
Software license (floating)	· Number of managed devices · Number of registered H.323/SIP hardware devices (including MCUs, recording devices, and hard terminals) · Number of registered soft clients · Public-private network traversal traffic · Number of concurrent ports · Number of surveillance convergence access channels	–
Warranty service	During the warranty period, Huawei offers a faster response to requests for services such as troubleshooting and spare parts delivery and provides additional services including Hi-Care original manufacturer service, media retention service, and Co-Care joint service. For more information, visit: https://support.huawei.com/enterprise/en/service-support	–

Warranty Information

The CloudLink Edge 1000 has a 1-year warranty for hardware and 90-day online technical support for software.

Learn More>>>

Huawei Video
Conferencing Solution

CloudLink Collaborative
Telepresence Products

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