

HUAWEI VP9630 MCU



HUAWEI VP9630 is a cutting-edge MCU with high cost-effectiveness, flexible ports utilization. It is the first MCU in the industry to support up to 1080p60 universal transcoding. Interoperability with various types of endpoints intelligently, VP9630 delivers users an ultimate videoconferencing experience.

High performance and universal transcoding bring an ultimate experience

The first MCU in the industry supporting 1080p60 universal transcoding provides an ultimate videoconferencing experience for participants
H.264 High Profile saves bandwidth by 50%
AAC-LD realizes CD-quality audio effect and three-channel brings sound localization
Intelligent transcoding for content sharing across different types of devices

Easy to Deploy and Use

Embedded GK, Web and role-based management
Multiple modes for firewall traversal, such as H.460, static NAT, video firewall option and SNP™
Multiple Methods for conference initiation, such as HUAWEI SiteCall™, Ad hoc, and web-based scheduling
Plenty of conference control functions, including Automatic Continuous Presence, Voice Activation, Chair control, DTMF Control, Audio/Video IVR, H.239 Content Sharing Token, and FECC

Secure, Reliable and Powerful QoS

H.264 SVC and SEC 3.0 ensure smooth videoconferences even if the packet loss is up to 20%
Dynamic jitter buffer up to 1000 ms ensures conference quality
IRC™ provides the best conference experience with low network bandwidth
Ensures conference data security via H.235 (AES256), SRTP/TLS(AES256), HTTPS and SSH
MCU, Power, Network interface and Chipset hot spare

Standard-based, Open Scalable

Supports multilevel cascading, multichannel cascading and conference recording
Standard-based and open: Supports H.323, SIP, TIP and convergence conference of Telepresence, HD/SD endpoints, mobile devices and audio endpoints
Integrated with Huawei eSpace Microsoft Lync2010™/OCS2007R2, IBM Sametime UC and Skype
SOAP-based API for integration with third-party systems
Maximizes resource utilization and improves ROI by flexible resource allocation

Sales item	Configuration	Description
VP9630-8	Frame + power + fans+ ECCA(with control board and media board integrated) + 8 1080p30 port licenses	Smooth scalable
1 port License	1 1080p30 port license+ 1 audio port license	Need hardware resources
4 ports License	4 1080p30 ports license+ 4 audio ports license	Need hardware resources

Note:

- VP9630-8, the basic model can be scalable to 24 ports at 1080p30
- 1 port at 1080p60 = 2 ports at 1080p30 = 4 ports at 720p30 = 8 ports at 4CIF

HUAWEI VP9630 Specifications

Video Standards and Protocols
ITU-T H.264, H.264 HP, H.264 SVC, H.263, H.263+, H.263++, H.261
ITU-T H.239, BFCP
People Video Resolution
Resolution: QCIF, CIF, 4CIF, 288p, 360p, 720p, 1080p
Video Frame Rate: 25fps, 30fps, 50fps, 60fps
16:9 and 4:3 aspect ratio
Content Video Resolution
Coding/Decoding resolution: QCIF, QVGA, CIF, VGA, 4CIF, SVGA(800x600), XGA(1024x768), SXGA+(1600x1200), 288P(512x288), 360P(640x360), 396P(704x400), 720P, 1080P
Decoding resolution: WXGA, SXGA, XGA+, 1920x1200
Content adaptation
Content does not occupy MCU's port
Audio Standards and Protocols
AAC-LD, AAC-LC, HWA-LD, G.722.1*, G.722.1C*, G.711a/u, G.722, G.728, G.729A, G.729AB, G.719, iLBC
Three-channel
Other Supported Standards
H.221, H.225, H.235, H.242, H.243, H.245, H.281, H.283, H.460, TIP, FECC, RFC2833, DTMF, SRTP, TLS, T.140, NTP
Network
Standards and protocols: ITU-T H.323, IETF SIP
Network standards: IPv6/IPv4, TCP/IP, FTP/FTPS, RTP, RTCP, HTTP/HTTPS, SNMP, TELNET, SSH, DNS/DDNS
Bandwidth for one port: 64Kbps~8Mbps
Network Interfaces:
<ul style="list-style-type: none">• GE, 1000 Mb, RJ45• FE, 100 Mb, RJ45• RS232, RJ45• SFP, Gigabit optical fiber interface
Line Types: IP
Management Tools
Support SSH
Remote upgrade
Resource statistic
Hardware diagnosis
Support CDR (Call Detail Record)
Data export and import
Support Conference configuration template
Status monitor
Physical dimensions
Net Dimension: 442mm(W) × 450mm(D) × 86.1mm(H), 2U
Package Dimension: 780mm(W) × 580mm(D) × 260mm(H), 2U
Net weight: 16 kg
Package Weight: 22 kg
AC input: 100 ~ 240V 50/60Hz
Max power consumption: 400W
System Capacity
Up to 12 ports @ 1080p60 / 24 ports @ 1080p30 / 48 ports @ 720p30 / 96 SD ports with universal transcoding

Additional audio ports: as many as 1080p30 ports
IP QoS
DiffServ (DSCP), IP Precedence, ARQ
SEC™3.0 (Super Error Concealment)
IRC™ (Adaptability Intelligent Rate Control)
Auto adaptation enabling
Priority settings of QoS
SNP transversal between private and public networks
H.460/Static NAT transversal
Security
Conference password
HTTPS ensures the safety for Web accessing
H.235 (AES256) and SRTP/TLS(AES256) encryption
Approval and Compliance
CE, WEEE, RoHS, REACH, FCC, UL, VCCI-A, GOST, C-TICK
Highlights
Embedded GK and Web
Universal transcoding for Telepresence
CP on each port, Up to 24 CP
Auto Continuous Presence
Flexible ports
48 modes of Continuous Presence
Up to 5-level multichannel cascading
Ad hoc and Audio/Video IVR
HUAWEI SiteCall™
Schedule conferences via Web and Outlook
Email notification
URI dialing
Plenty of conference control functions
Chair control
Endpoint control via DTMF
Message overlay
Mute video
Support camera control
Support content lock
Support video source lock
Firewall traversal: H.460, static NAT, HUAWEI SNP, Video firewall option
Integrated with UC: Huawei eSpace, Microsoft Lync2010™/OCS2007R2, and IBM Sametime
Intelligent negotiation: Best utilization of endpoint's ability
Language: English, French, German, Spanish, Russian, Chinese, Japanese
Operating Environment
Operating temperature: 0°C ~ 45°C
Relative humidity: 5% ~ 90% (Non - Condensing)
Air pressure: 63 ~ 106KPa
Reliability MTBF: >100,000 hours
MTTR: < 0.5 hour

*: G.722.1/G.722.1C, licensed from Polycom®