



EVERGREEN™ Video Collaboration Solutions

Cedar™, Cypress™, and Sequoia™ Models

Versatile Connectivity

Solutions May be Hosted or Premise-Based

Compunetix solutions are designed to seamlessly integrate into almost any environment. With this flexibility, you can choose the deployment option that will work best for you.



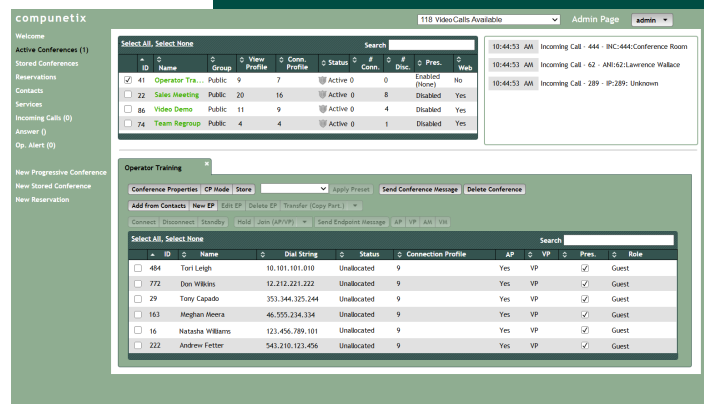
EVERGREEN & Unified Communications

- Multi-Tenancy Support
- Unlimited Availability
- IP-Based Video Collaboration
- No Restrictions on Multi-Point or Concurrent Calls
- Support Any Standards-Based Video Endpoints

Operator Interface for System & Meeting Management

This flexible and feature-rich Operator Interface is designed to maximize conference control capabilities and provide unmatched oversight and user support for video-conferencing concierge services.

- Dial out to individual, group, or blast dial
- Answer incoming calls
- Place participants on hold or disconnect calls
- Mute & unmute participant's audio and/or video
- Send endpoint or conference messages
- Retrieve diagnostic information for any participant
- Subconference with one or more participants
- Transfer calls (drag and drop)
- Change video layouts
- Manage Q&A sessions



EVERGREEN Operator Interface

Which System Best Fits Your Needs?

The EVERGREEN family currently consists of three models:

EVERGREEN Cedar

Tailored to meet the needs of the enterprise market, the EVERGREEN Cedar facilitates reliable, feature-rich video conferencing for small businesses looking for an innovative in-house solution.

EVERGREEN Cypress

With its modest footprint, optional full redundancy, and expanded growth capacity, the EVERGREEN Cypress is the ideal video conferencing platform for medium-sized businesses and small service providers.

EVERGREEN Sequoia

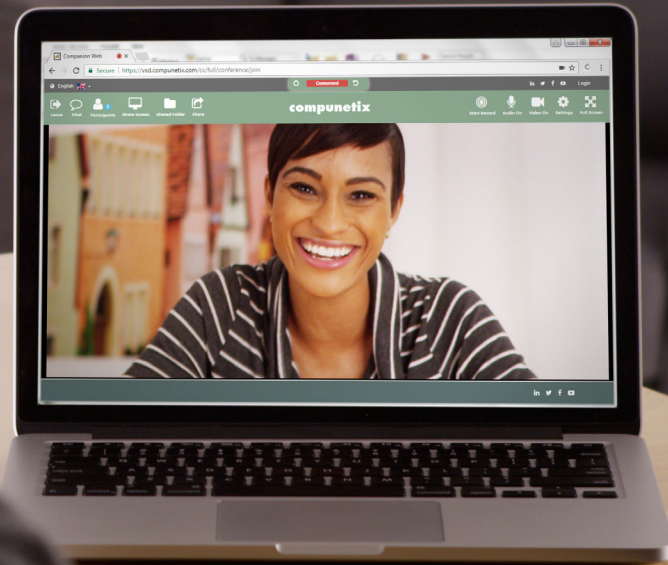
The largest member of the EVERGREEN family, the Sequoia, is crafted to fulfill the ever-growing needs of large businesses and service providers. With the greatest growth capacity of the EVERGREEN line, multiple Sequoia systems can scale to thousands of video ports.



Ask about our widely-deployed open system APIs.



Quality. Security. Reliability.



Rooted in Strength, Built for Quality

The EVERGREEN family of powerful video communication and collaboration has been carefully cultivated to fulfill the diverse video and security needs of enterprise users, Conferencing Service Providers (CSPs), and government agencies.

Quality Video Conferencing

EVERGREEN systems employ full transcoding on every port, resulting in the highest quality audio and video experience for each participant, independent of the capabilities of the other endpoints in the call.

Optimized Scalability

As your video needs increase, you can easily and cost-effectively grow capacity by:

- Adding blades to your system
- Effortlessly migrating to a larger chassis
- Linking multiple EVERGREEN systems to create a single, immense collection of non-cascading ports

Reliability and Security

EVERGREEN systems are carrier-class products built to strict military standards and designed to deliver highly reliable, feature-rich collaboration.

Conference level passcodes, encryption, partitioning, multiple network support and strong passwords provide enhanced security.

Endpoint Interconnectivity

Connect Standard Definition (SD) and High Definition (HD) video conference endpoints from mobile and desktop video applications, room systems, telepresence facilities and more.

In independent testing, EVERGREEN demonstrated superior interoperability using both SD and HD vendor endpoints.

Innovative Architecture

- Supports H.323, SIP, and WebRTC endpoints
- ATCA/AMC System Architecture
- Redundant control interfaces, clock distribution, power supplies and shelf management
- ATCA Rear Transition Modules (RTMs) allow unique bridge linking for higher capacity without cascading
- Internal Gatekeeper available
- Customizable hold and greeting images/messages stored internally
- Hot swappable blades and power supplies
- High-speed internal switch fabric
- Multi-tenant capabilities to enable “Cloud” conferencing services

Physical Specifications

Cedar

3U (131.35mm) x 482.60mm
x 437.85mm
425 watts (AC, nominal)

Cypress

5U (219.45mm) x 482.60mm
x 464.00mm
1200 watts (DC, nominal)
1320 watts (AC, nominal)

Sequoia

13U (571.60mm) x 482.60mm
x 506.90mm
2800 watts (DC, nominal)
3000 watts (AC, nominal)

Audio

G.711 a-Law
G.711 µ-Law
G.722
G.722.1
G.722.1c
DTMF Tone Detection
Echo Suppression/Voice Gate
AGC/Manual Gain Control
Mute/Unmute

Video

H.239 Dual Video
H.261
H.263
H.263+
H.264
CIF, 288p, 4CIF, 488p, 720p,
1080p HD resolution
4:3 and 16:9 aspect ratios
Frame rates to 30 fps
Video mute/unmute
All ports full transcoding

Network Support

IP H.323/SIP
10/100/1000 Ethernet I/F
TCP/IP, RTP, UDP
H.235 (AES) Encryption
SRTP

Web Support

WebRTC
HTTPS

Key Conference Features

- Attended or automatic dial-out and dial-in capability
- Unique Continuous Presence mode
- Passcode meet-me conferencing
- Secure dial-in conferencing
- Blast dial-out alert conference with security code
- On-hold screens, logos and text overlay
- Conference transfer capability
- Conference endpoint message
- Custom hold/greeting message
- Conference level passcode
- Lecture mode
- Video Q&A
- Bridge partitioning/Group access
- 50+ video display layouts
- Up to 20 windows
- 50 Connection Profiles

Control & Management Applications

Platform Manager (xPM) for system configuration
Web Operations Client (xWOC) for full web-based operations control
API for 3rd party interface development
Billing application

Client Applications

Companion Web for Chrome, Edge, Firefox, and Safari
Companion Web Theme Manager



EVERGREEN Cedar

Cedar Model ^{1,2}	HD Ports	SD Ports
Cedar 121H	21	42
Cedar 243H	43	86

EVERGREEN Cypress

Cypress Model ^{1,2}	HD Ports	SD Ports
Cypress 121H	21	42
Cypress 243H	43	86
Cypress 365H	65	130
Cypress 491H	91	182
Cypress 5113H	113	226
Cypress 6140H	140	280

EVERGREEN Sequoia

Sequoia Model ^{1,2}	HD Ports	SD Ports
Sequoia 243H	43	86
Sequoia 491H	91	182
Sequoia 6140H	140	280
Sequoia 8183H	183	367
Sequoia 10232H	232	465
Sequoia 12275H	275	550
Sequoia 12323H	323	646

NOTE 1: Additional models available for intermediate port capacities

NOTE 2: SD 4CIF listed

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