



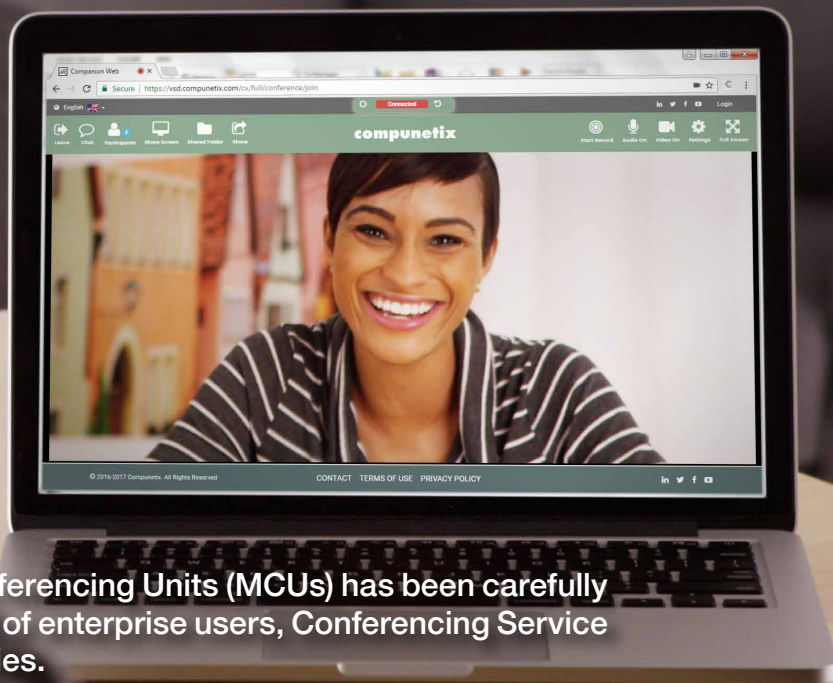
# EVERGREEN™

MCU series: Cedar, Cypress, & Sequoia

**compunetix**  
the technology of cooperation

# EVERGREEN™

The EVERGREEN family of Multipoint Conferencing Units (MCUs) has been carefully cultivated to fulfill the diverse video needs of enterprise users, Conferencing Service Providers (CSPs), and government agencies.



## Rooted in Strength, Built for Quality

### 🎥 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 port 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 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

- ATCA/AMC System Architecture (Advanced Telecommunications Computing Architecture / Advanced Mezzanine Card)
- 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



# Versatile Connectivity

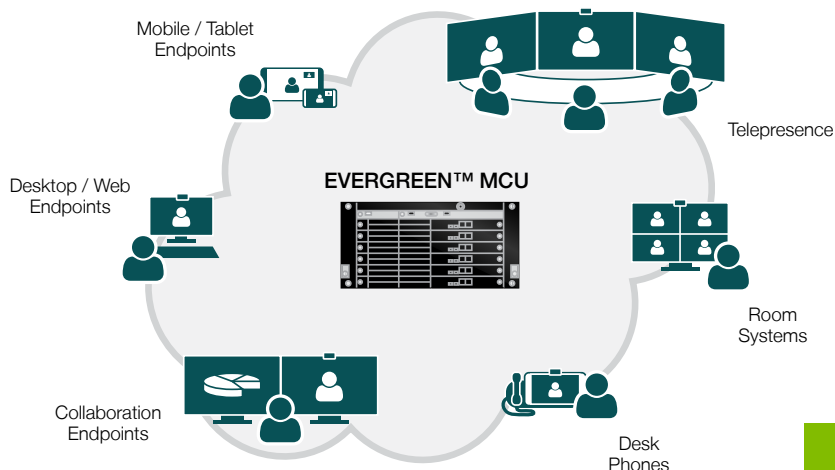
## Solutions May be Cloud or Premises-Based

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 and UC

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



## Which System Best Fits Your Needs?

The EVERGREEN family currently consists of three models: the Cedar™, Cypress™ and Sequoia™. All systems are backed by the stability, reputation, and 50 years of Compunetix design and manufacturing experience.

### 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 a massively scalable video conferencing platform 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.

All systems are proudly manufactured at our U.S. headquarters.





## Physical Specifications

### Cedar

3U (131.00mm) x 482.60 mm x  
444.69 mm  
425 watts (AC, nominal)

### Cypress

5U (222.00mm) x 482.60 mm x  
497.00 mm  
1200 watts (DC, nominal)  
1320 watts (AC, nominal)

### Sequoia

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

## Audio

G.711 a-Law  
G.711  $\mu$ -Law  
G.722  
G.722.1  
G.722.1c

DTMF Tone Detection

Input/output gain control

Mute/unmute

## Video

H.239 Dual Video

H.261

H.263

H.263+

H.264

CIF, 4CIF, 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

## Conference Features

Attended or automatic dial-out and  
dial-in capability

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

Display layouts with up to 20

windows

88 Conf. Profiles/Conf. Templates

## Control & Management Applications

Platform Manager (xPM) for system  
configuration

Operations Client (xOC) for  
dedicated conference  
management

Web Operations Client (xWOC) for  
full web-based operations control

API for 3rd party interface

development

Billing application

## Client Applications

EVERGREEN™ Companion Desktop

Companion Mobile for iOS and  
Android

Companion Web for Chrome and  
Firefox

# EVERGREEN™ Cedar

## Cedar Model <sup>1,2</sup>

## HD Ports

## SD Ports

Cedar 121H

21

42

Cedar 243H

43

86

# EVERGREEN™ Cypress

## Cypress Model <sup>1,2</sup>

## 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 <sup>1,2</sup>

## HD Ports

## SD Ports

Sequoia 243H

43

86

Sequoia 491H

91

182

Sequoia 6140H

140

280

Sequoia 8183H

183

367

Sequoia 10232H

232

464

Sequoia 12280H

280

561

Sequoia 14329H

329

659

NOTE 1: Additional models available  
for intermediate port capacities  
NOTE 2: SD 4CIF listed



For more information, please contact:

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