

# Summit Olympus®

## Unprecedented Capacity, Reliable Conferencing

Beginning as the vision of our expert engineers, the Summit Olympus® has evolved into a landmark audio conferencing platform in the Compunetix product line.

Housing a complete collection of upgraded hardware components, the Summit Olympus features unprecedented scale and improved system performance while maintaining the rich feature functionality, high voice quality, and accessibility of CONTEX® system software.

World's Most  
Scalable  
HD Voice  
Conferencing  
Solution

## Reimagining an Industry Powerhouse

- **Increased Port Capacity:** The groundbreaking Summit Olympus can support up to 5,120 audio conferencing ports in a single shelf - over double that of its predecessor.
- **ConnectNow® Video & Web Conferencing (WebRTC):** The Summit Olympus also offers seamless WebRTC video and data sharing via the dynamic ConnectNow web conferencing interface.
- **Heightened Performance:** Equipped with improved processors and enhanced blades, the Summit Olympus has been optimized for performance.
- **Uniform Port Consumption:** Each conferee occupies a single port on the Summit Olympus, allowing total capacity to remain constant whether supporting standard definition (G.711) or high fidelity participants (G.722)\*.
- **Media Redundancy:** Protect your pool of ports by adding a redundant Line Interface (LIF) Module. Redundancy is available for all configurations up to 4,608 ports.
- **Voice Capture:** Callers can be prompted at dial-in to record up to 6 pieces of participant data. Operators can access these recordings at any time to manage callers and efficiently transcribe conferee information.
- **Recording and Playback:** The Summit Olympus features a massive internal recording capacity to enable recording and/or playback of hundreds of conferences simultaneously.

Open & Powerful  
System APIs

Over 5,000  
Ports of HD  
or SD Audio  
Conferencing

Encrypted  
Communications

Increased  
Capacity

Cost-Effective

## Operational Features

### Capacity

Up to 5120 ports per shelf narrow-band or wideband G.722 (increments of 512 ports)  
Automatic Conference Linking (ACL) - virtually unlimited ports

### Conference Types

#### Attended:

Dial-In, Dial-Out, Simultaneous Group Dial, Event, Automated Event

#### Unattended:

Passcode Meet-Me, Passcode Progressive (Chairperson Dial-Out), Passcode Preset, Passcode Preset with Precedence, Passcode plus PIN Verification, DNIS Meet-Me, DNIS Progressive (Chairperson Dial-Out), DNIS Preset, Pre-paid

### Number of Conferences

Unlimited (N/2) (where N equals the number of configured ports)

### Parties per Conference

Unlimited up to N (where N equals the number of configured ports)

### Number of Talkers

Full duplex and variable from all talkers to one talker.

### Noise Filtering

DSPs eliminate line or background noise from the conference, 18dBmCO or less

### Voice Quality

High fidelity, wideband conferencing (HD Voice)  
Tone Block  
Noise Gating  
Background Noise Elimination  
Automatic Gain Control (AGC)

### VoIP Latency

Minimal fixed delay to entire voice path

### Operator Consoles

Up to 200

### Operator Interface

PC utilizing Microsoft Windows®-based operator administration software, connected via TCP/IP

### Line Interface

VoIP/SIP Fast Ethernet

### Signaling Options

SIP (RFC 3261)

### Voice Capture

Enables audio capture of up to 6 pieces of additional participant data, saved and made available to operations during and after call

### Recording & Playback Capacity

Simultaneous conference recordings/playback

### Announcements and Tones

Full System Audio Prompts  
10 Full Multiple Language Prompt Sets

### Voice Codecs Supported

G.711, G.722, G.723.1, G.726, G.729A  
AMR and AMR-WB (G.722.2)  
GSM, GSM-EFR, L16-16kHz  
Opus (complies with libopus 1.1 and RFC 6716)  
ITU-T G.729 Annex B  
(Silence Suppression and VAD)  
ITU-T G.711 Appendix I  
(Packet Loss Concealment)  
ITU-T G.711 Appendix II  
(Comfort Noise Payload for G.711)  
ITU-T G.723.1 Annex A  
(Silence Suppression for G.723.1)

### DTMF Generation/Recognition

Provided for Each Channel, (Port) per BellCore, TR-TSY-000181, or Per RFC 4733 (out of band)

### Echo Control

Acoustic Echo Suppression  
Line Echo Cancellation

### Input/Output Gain Control

+/- 10 dB manual operator controlled in 1 dB increments per port, adaptive automatic gain control per port

### Remote Management

Alarms, Diagnostics, System Configuration, Software Changes, Reporting, Operational Control, Scheduling

### Support for all Conferencing Modes - Simultaneous

On-Demand, Scheduled, Event, Web Initiated, Full ANI and DNIS Support

### Variable Bandwidth

Supports 3.1 kHz and 7kHz (high-fidelity) audio

### System Reliability

System built in accordance to the following quality standards: IPC-A-600 (PCB); J-STD-001 (Electronic Assembly); IPC-A-610 Class 3 (Electronic Assembly)  
MTBF: N/A at this time  
Compunetix, Inc. ISO Certification: ISO 9001:2008

### System Redundancy

Hot Swappable Blades  
Redundant Voice Summation  
Redundant Audio Enunciators  
Redundant Common SIP Signaling Module  
SIP Media Redundancy  
Redundant Control, Data, and Voice Buses  
Dual Redundant Power Supplies  
Triple Communication to All Circuit Modules  
Redundant Switching and Conferencing Subsystems

## Operational Characteristics:\*

### Power

	DC Power	AC Power (optional)
Input Voltage	-42 to -56 VDC	88 to 264 VAC
Peak Current	46.00 A @ -52 VDC (Nom.) 50.00 A @ -48 VDC (Nom.)	22.00 A @ 100 VAC 19.00 A @ 115 VAC 10.00 A @ 220 VAC
Maximum Power	2410 Watts	2187 Watts
Thermal Output	8230 BTU/Hr	7,469 BTU/Hr

### Environment Sensors

Alarm generation for fan failure, over-temperature conditions, and input power anomalies.

\* Power requirements and thermal outputs are the maximum for a fully populated and redundant system.

## Physical Characteristics:

### Size

Single shelf (nominal dimensions):  
Width: 19 inches (482.6mm) - Standard EIA rack mounting width  
Height: 21 inches (533.4 mm) - Standard EIA rack mounting vertical spacing  
Depth: 26 inches (660.4mm) - Fits minimum 30" rack depth including cabling

### Weight

Single Shelf (fully populated)  
100 lbs. (45.36 kg) net weight  
125 lbs. (56.7kg) gross weight (box and skid)

## Operating Environment:

### Temperature

0° C to 35° C  
32° F to 95° F

### Relative Humidity

5% to 90% (non-condensing)

## Compliance Regulation

#### EMC:

FCC Part 15, Sub Part B; ICES-003 Issue 4; AN/NZS 3548 (C-Tick); EMC Directive 2004/108/EC; EN 300 386:2010; EN 55022:2010; EN 55024:2010, Class A (Unintentional Radiator); EN 61000-3-2:2006+A2:2009; EN 61000-3-3:2008

#### Safety:

LVD: EN 60950-1:2006+A1:2009+A1:2010+A12:2011  
CB Scheme: IEC 60950-1:2005 (Second Edition)\_ Am 1:2009  
Environmental: RoHS (2011/65/eu); China RoHS 2; CE Mark  
Requirements are met with all EMC, Safety and RoHS Certifications

#### ECCN (Export Compliance):

HW: 5A002.a.1 ENC (a)(b)(2)  
SW: 5D002.c.1 ENC (a)(b)(2)  
See Export Control Matrix for individual components

For additional information about our collaboration solutions, visit

[www.compunetix.com](http://www.compunetix.com)

**Summit**  
**OLYMPUS**