



## Operational Features:

### Capacity

T1 or VoIP: 1920 ports per shelf (increments of 192 ports)  
Expandable to 2 shelves

### 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

No limit to talkers within a conference

### Noise Filtering

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

### Voice Quality

Audio Background Noise Elimination, Built in Echo Cancellation, Tone Block, High-Fidelity/Wideband (optional)

### Operator Consoles

Up to 120 client connections (local or remote)

### Operator Interface

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

### Line Interface

T1 (D3/D4 or ESF framing)  
T1 ISDN PRI NI2 with ANSI T1.619a  
VoIP, G.711, TLS, SRTP, IPv4/IPv6  
B8ZS or AMI  
Fully Compatible with ANSI and ITU Standards

### Signaling Options

AS-SIP, Wink Start, FXS, PLAR, ISDN, [(Lucent 4ESS/5ESS, Nortel DMS, NI-2, Net5, (EuroISDN) PH (Australian ISDN)]

### Digital Enunciator

Play to and record from up to 1,000 ports or 240 conferences simultaneously, 36,000 minutes of on-board recording storage  
Supports 3 languages (5 languages optional for 3 call flows or 10 languages for 1 call flow)

### DTMF Generation/ Recognition

Provided for Each Channel (Port) per BellCore TR-TSY-000181

### Echo Control

Suppression — Standard  
Internal Cancellation

### Input/Output Gain Control

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

### Self Test and Diagnostics

Continuous at both the lowest replaceable unit (LRU) level and system level

### Remote Management

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

### 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 (future)

### System Reliability

JITC Certified

### Optional System Redundancy (future)

Redundant Voice Summation  
Dual Redundant Power Supplies  
Redundant Audio Enunciators  
Redundant Controllers

## Operational Characteristics\*:

### DC Power

Input Voltage: -42 to -56 VDC  
Peak Current: 30.7 amps @ -42 VDC  
26.8 amps @ -48 VDC  
24.8 amps @ -52 VDC  
23.0 amps @ -56 VDC  
Nominal Power: 1,290 Watts  
Thermal Output: 4,405 BTU/Hr

### AC Power (optional)

Input Voltage: 88 to 264 VAC  
Peak Current: 12.4 amps @ 100 VAC  
10.8 amps @ 115 VAC  
5.6 amps @ 230 VAC  
Nominal Power: 1,290 Watts  
Thermal Output: 4,405 BTU/Hr

### Environment Sensors

Alarm generation for fan failure, over-temperature conditions, and input power anomalies  
\*Power requirements and thermal outputs are the maximum estimated for a fully populated system

## Physical Characteristics:

### Size - Single Shelf

Width 19 inches (482.6 mm)  
Height 21 inches (533.4 mm)  
Depth 26 inches (660.4 mm)

### Weight - Single Shelf; Fully Populated

100 lbs. (45.36 kg)

## Operating Environment:

### Temperature

32° to 95°F (0° to 35°C)

### Relative Humidity

5% to 90% (non-condensing)

## Component Requirements:

The following lists JITC-specific client requirements for each of the component elements of a JITC Summit implementation.

### Maintenance Client (MC) / Billing Workstation

Operating System: Windows 7 or WinXP Pro SP2

### Windows Operator Console (WOC)

Operating System: Windows 7 or WinXP Pro SP2

### Secure Services Engine (SSE) / IP Logger

19"rack server running Windows Server 2012 R2 Standard Edition  
Provides FIPS validation encryption for the TLS connections between the Summit and the various clients

### Billing / Recording Downloader & Statistics Server (BSS)

19"rack server running Windows Server 2012 R2 Standard Edition

### Reservations, Scheduling, & Billing Server (RSB)

19"rack server running Windows Server 2012 R2 Standard Edition and Microsoft SQL 2012 Standard Edition

The system meets the requirements of the following UCR/STIGs:

UCR 2013 Change 1
Apache Server/Site 2.2 for Windows
Application Security and Development STIG
Application Server SRG
Defense Switched Network Checklist
Defense Switched Network (DSN) STIG
Network Devices STIG
Network Infrastructure Policy STIG
Microsoft SQL Server 2012 Database/Database Instance STIG
UNIX SRG
Web Policy STIG
Web Server SRG
Windows 7 STIG
Windows Server 2012 / 2012 R2 Member Server STIG

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