

OPERATIONAL FEATURES:

Capacity	
T1:	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 (local or remote)	Up to 120 client connections
Operator Interface	PC utilizing Microsoft Windows®-based operator administration software, connected via TCP/IP
Line Interface	T1 (D3/D4 or ESF framing) ISDN PRI B8ZS or AMI Fully Compatible with ANSI and ITU Standards Master, Slave or NTP Clocking
Signaling Options	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 XP Pro SP2, 7 or 2000/2003/2008 Server and Symantec Norton Antivirus 2009
Windows Operator Console (WOC)
Operating System: Windows XP Pro SP2, 7 or 2000/2003/2008 Server
Secure Services Engine (SSE) / IP Logger
19" rack server PowerEdge running Windows Server 2008 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 PowerEdge running WinServer 2008 Standard Ed. and Symantec Endpoint Protection V11.5

For more information:

Joint Interoperability Test Command (JITC)
 Defense Information Systems Agency (DISA)
 DISA Approved Products List
 Compunetix JITC Certified Solutions

<http://jitc.fhu.disa.mil>
<http://www.disa.mil/index.html>
<http://www.disa.mil/ucco>
http://www.compunetix.com/ix/JITC_solutions.php