

CONTEX Xtend™



Grow CONTEX Summit® call capacity and increase resource efficiency with CONTEX Xtend™ by Compunetix

Unify CONTEX Summit® system management

Simplify large call administration

Enhance service levels and lower costs

Expand service wholesaling operations

Access a single large-capacity port pool

The CONTEX Summit® is the industry's leading media processor, and now with CONTEX Xtend enterprises and service providers can grow their VoIP and PSTN conferencing capabilities easily and efficiently. Joining multiple CONTEX Summit media processors into one platform, CONTEX Xtend offers a single, large-capacity port pool.

CONTEX Xtend provides a simple and automated solution for high-volume conference environments and unifies CONTEX Summit system management. Unlike generalized media servers, the CONTEX Summit is optimized and engineered for large-capacity, high quality voice summation, and enables a single conference call to hold as many participants as the overall port capacity of the system. With these features, CONTEX Xtend is the optimal expansion technology, and enables you to achieve both lower costs and higher service levels.

Features

Compact CONTEX Summit platform with up to 5760 ports

With at least two CONTEX Summit media processors combined into one unit, CONTEX Xtend* provides a single, large-capacity port pool within a single system. This increases port capacity in a common deployment site, rather than across multiple sites.

Single phone number access to all ports

CONTEX Xtend provides a solution for single phone number access for all ports, thus eliminating the need for additional switching equipment. Since there is no need for additional equipment, service providers may find that CONTEX Xtend makes service wholesaling a natural and revenue-enhancing business extension.

Efficient large event call management

With built-in capacity for large event calls, CONTEX Xtend provides efficient management of resources and eliminates manually linking conferences across multiple media processors.

Automated high-volume call hosting

Because there is no linking required, hosting high-volume calls is a simple and automated process. Technical intervention is no longer needed; your customers receive a higher level of service at no additional cost to you.

Clear upgrade path for current CONTEX Summit Customers

The CONTEX Summit is built so that it easily expands to fit more shelves. For current CONTEX Summit customers, the transition to a multi-shelf unit is smooth, with a clear upgrade path.

*CONTEX Xtend™ X3 is designed to support up to 3 shelves. Future releases will offer additional shelves.



OPERATIONAL FEATURES

Capacity	T1: 192-1920 ports per shelf (increments of 192 ports) E1: 240-1920 ports per shelf (increments of 240 ports) Expandable to three shelves (5760 ports total)
Conference Types	Attended: Dial-in, Dial-Out, Simultaneous Group Dial, Event, Auto-Event™ Unattended: Passcode Meet-Me, Passcode Progressive (Chairperson Dial-Out), Passcode Preset, Passcode Meet-Me plus Info, Passcode plus PIN Verification, DNIS Meet-Me, DNIS Progressive (Chairperson Dial-Out), DNIS Preset, Auto-Event, DNIS Meet-Me plus PIN
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 eliminates line or background noise from the conference, 18dBmCO or less.
Voice Quality	Built-in Echo Cancellation, Tone Block, High-Fidelity/Wideband Audio Background Noise Elimination
Operator Consoles (local or remote)	Up to 120
Operator Interface	PC utilizing Microsoft Windows®-based operator administration software, connected via TCP/IP.
Line Interface	E1/T1 (D3/D4 or ESF framing) Fast Ethernet (VoIP) ISDN PRI B8ZS or AMI Fully Compatible with ANSI and ITU Standards Master or Slave Clocking
Signaling Options	SIP, Wink Start, FXS, ISDN [(Lucent 4ESS/5ESS, Nortel DMS, NI-2, Net5, (EuroISDN), PH (Australian ISDN)]
DTMF Generation/Recognition	Provided for Each Channel, (Port) per BellCore, TR-TSY-000181 DTMF Suppression—Standard
Echo Control	Suppression — Standard Echo Cancellation—Standard Internal Cancellation — Optional
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

Simultaneous Support for all Conferencing Modes	On-demand, Scheduled, Event, Web Initiated, Mobile Initiated, Mixed Dial-In/Dial-Out, Full ANI and DNIS Support
Variable Bandwidth	Supports 3.1 kHz and 7kHz (high-fidelity) audio.
System Reliability	Mil-Std-55110 and Mil-Std-454
Voice Codecs Supported	G.711, G.723.1, G.726, G.729 a/b
Optional System Redundancy	Dual Power Supplies Triple Communication to all Circuit Modules

OPERATIONAL CHARACTERISTICS: *

	DC Power	AC Power (optional)
Input Voltage	-42 to -56 VDC	88 to 264 VAC
Peak Current	30.7 amps @ -42 VDC 26.8 amps @ -48 VDC 24.8 amps @ -52 VDC 23.0 amps @ -56 VDC	12.4 amps @ 100 VAC 10.8 amps @ 115 VAC 5.6 amps @ 230 VAC
Maximum Power	1290 Watts	1290 Watts
Thermal Output	4405 BTU/Hr	4405 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. All operational characteristics are based on a single shelf system.

PHYSICAL CHARACTERISTICS

Size	Single Shelf with Power Supply Assembly Width 19 inches (482.6 mm) Standard EIA Rack Mount Height 21 inches (533.4 mm) Standard EIA Rack Mount Depth 26 inches (660.4 mm) (Fits minimum 30" rack depth including cabling)
Weight	Single Shelf with Power Supply Assembly Fully populated: 100 lbs. (45.36 kg)

OPERATING ENVIRONMENT:

Temperature	0°C to 35°C 32°F to 95°F
Relative Humidity	5% to 90% (non-condensing)

RELATED PRODUCTS

- CONTEX® Automatic Conference Linking (ACL)
- CONTEX® Bridge Alarm Monitor (BAM)

