EXS® ExchangePlus™
Technical Specifications

➤ System Features

- T1, E1, J1 and DS3 network interfaces
- Scalable from 384 ports to more than 30,000
- Any number of trunks in a group
- All components are hot swappable
- Seismic zone 4 and NEBS Level 3 compliance
- A-law and/or µ-law and conversions
- Switch partitioning
- Scalable in 16 span increments
- Supports simultaneous Circuit and Packet(Voice/Data/Fax over IP)
- Scalable from 384 VoIP ports to more than 15,000

➤ Signaling Protocols (all configurable for in-country or proprietary variants)

- SS7/C7 (ITU and ANSI), ISDN-PRI, MFR1, MFCR2/CAS, E&M, FXO, FXS, DTMF, MF, DP, FGA-FGD, DID
- ITU H.323 Annex G Gatekeeper and Gateway Signaling, IETF Real Time Protocol (RTP)

➤ Routing and Translation Features

- Least-cost routing
- Time-of-day routing
- Day-of-week routing
- Paired-trunk routing
- 20,000 route lists
- Up to 20 trunk groups per route list
- ITU H.323 Annex G Inter-Domain Routing
- Virtual Private Networks (VPN)
- Configurable hunting (linear, most idle, round-robin)
- ANI/DN translation to 23 digits (supports international standards)
- ANI/II/DNIS/DN matching to 23 digits
- ETSI TIPHON Open Settlement Protocol

➤ Operations, Administration, and Maintenance (OA&M) Features

- Menu-based user interface
- Local and remote maintenance
- Up to 5 simultaneous users
- Real-time and programmable alarming
- Performance reporting
- Simple Network Management Protocol (SNMP) support

➤ Voice/Data/Modem over IP Features

- G.711, G.723.1, G.726/727, G.729a
- Silence Suppression/Comfort Noise Generation
- Fax/Modem Bypass and Relay Mode
- ITU T.38 Real Time Fax, Group 3 up to 14.4Kbps
- Echo cancellation
- Modem speed up to 28.8Kbps
- Dynamic Jitter Buffer

➤ Call Detail Record (CDR) Features

- Real-time CDR
- ASCII and Data Base Format (DBF) CDRs
- Over 60 CDR fields supported
- Automatic CDR archiving
- CDR reporting to multiple locations
- IP trunk statistics

➤ Optional System Redundancy

- No single point of failure
- N+1 DSP load sharing
- 1+1 SS7 active standby
- Host protection
- N+1 VoIP module
- 1+1 power supply load sharing, dual power feeds
- 1+1 CPU active standby
- 1+1 ISDN active standby
- N+1 line card redundancy

➤ Optional Voice Announcements

- User-programmable announcements
- Announcement capacity — 2,048 per system
- Integrated announcements
- Selectable language

➤ Physical Specifications	**Common** (2 Hosts + 2 Nodes)	**Switching** (4 Additional Nodes)
T1/E1 DS0 capacity	3,840/4,096	11,520/12,288
T1/E1 span capacity	160/128	480/384
VoIP channel capacitiy (960 per Node)	1,920	3,840
Cabinets	1	2
Dimensions in feet (w x d x h)	2′ x 2.42′ x 6.73′	4′ x 2.42′ x 6.73′
Floor loading	180 lbs. per sq. ft.	180 lbs. per sq. ft.
Weight	~810 lbs.	~1620 lbs.
Typical power consumption (-48V)	3.6 kW	8.4 kW

For additional information, please contact your Lucent Technologies Sales Representative.

You can also visit our web site at http://www.lucent.com or call 1-877-862-8700.

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