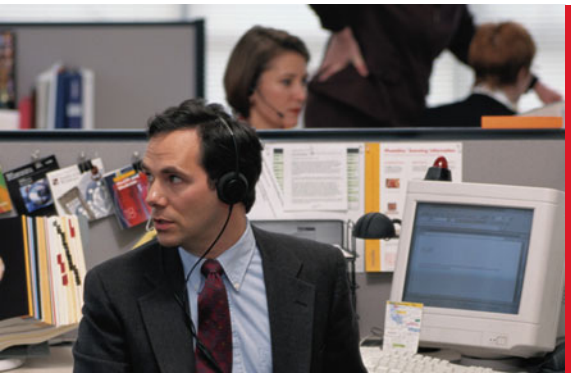
5E-XC™ High Capacity Switching Modules



Increase switch module capacity by up to 400%

Lucent Technologies' 5E-XC™ High Capacity Switching Modules enable up to a four-fold increase in call processing throughput. Utilizing Lucent's new CORE700 Call Processor and Message Handler Power PC (MHPPC), 5E-XC™ High Capacity Switching Modules increase real-time capacity, allowing you to support more circuit-switched network traffic per existing office and switching module. Call carrying capacity is vastly increased, up to four million Busy Hour Call Attempts (BHCA). By leveraging both the new 5E-XC™ Optical Interface Unit and High Capacity Switching Module, you can quadruple the number of trunks per switch module and reduce floor space and power consumption needs by 75%. The CORE700 call processor will also help enable the 5E-XC™ switch's evolution path to IP services.

Benefits

- Quadruples revenue per switch module from wireline, wireless, toll and dial-up traffic
- Saves up to 60% in floor space requirements and power costs
- Delivers service to more lines and trunks per switch module
- Reduces number of message handlers (MHs) required
- Increases Switching Module real time to maximize overall switch capacity
- Reduces administration requirements
- Converts existing Switching Modules simply and swiftly
- Simplifies memory engineering task

Applications

- Local and toll traffic
- Large capacity tandem trunking
- IP Centrex services
- Integrated modem pooling
- IP contact center services
- IP trunking integration with VoIP networks (future)

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Features

- Available in 5E16.2, 5EE16.1, and 5E18.1
- Single MH supports both inter-processor and peripheral messaging
- Message handling capacity is 20 times greater than existing MHs
- MH control channels increase from 32 to 256/MH
- MH memory increases from 2 MBytes to 256 MBytes per MH
- High capacity call processing expanded to 4 million BHCA per 5E-XC™ switch office and up to 400,000 BHCA per High Capacity Switching Module
- Quickly-deployed, backward compatible with existing SM2000 backplanes
- High reliability (99.9999%) switching for high availability
- Supports all existing SM-2000 peripherals

Technical Specifications

1. **CORE700 Processor**
   - Up to 4 million BHCA
   - RISC architecture
   - Applicable to all SM2K SMs
   - Single board core processor with 384 Mbytes on board memory
   - MHPPC message handlers required
   - No external memory boards

2. **MHPPC**
   - Single pair per CORE700 SM will support most applications
   - RISC architecture
   - 256 control channels
   - Single board message handler with 256 Mbytes on board memory
   - MH0 supports both inter-processor and peripheral messaging
   - Supports both messaging and Ethernet applications

3. **Certifications**
   - CE
   - NEBS

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative or call 1-888-426-2252.

Visit our web site at http://www.lucent.com/5e-xc.

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