

**Get ready** >>



BellSouth® Gigabit Ethernet Service

# >> What Is Gigabit Ethernet?

- Gigabit Ethernet (GigE) is a fiber optic-based high-speed transport service utilized for the interconnection of customer owned Local Area Networks (LANs).
- GigE is the next higher speed in the evolution of BellSouth® Native Mode LAN Interconnection (NMLI) Service.
- GigE combines the ubiquity, flexibility and simplicity of Ethernet with the reliability and speed of optics to create simpler, faster and more reliable networks.

# >> Why GigE?

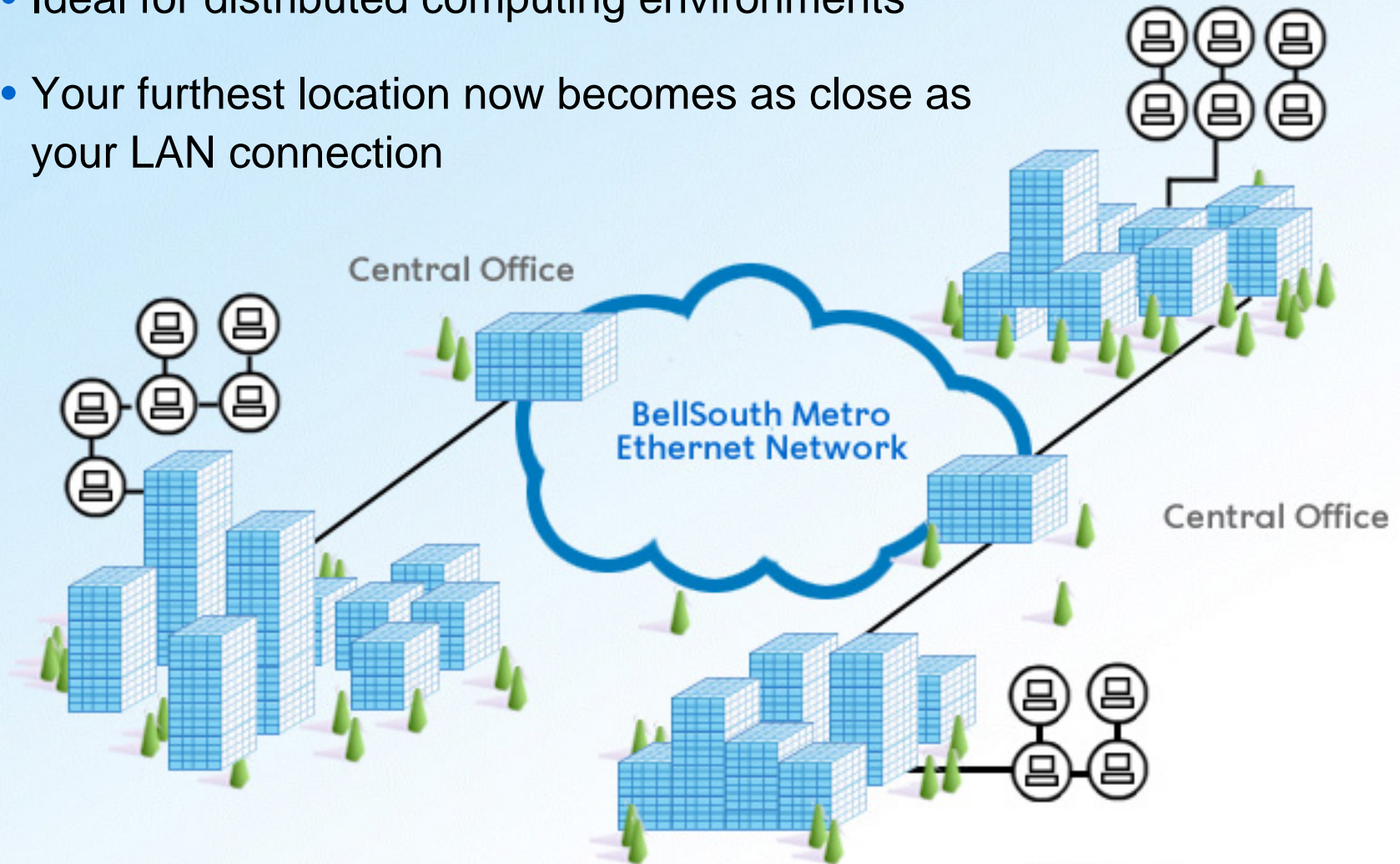
Data traffic is growing at 200% – 300% per year. Without the network infrastructure to support this, your company could experience:

- Long lead times for new applications
- Critical applications not getting network resources
- Loss of productivity
- Increased IT expenditures



# >> BellSouth Metro Ethernet Solution

- Ideal for distributed computing environments
- Your furthest location now becomes as close as your LAN connection



# >> GigE Service Overview

- Standards based, fully compatible – 802.3
- Full interworking with existing NMLI Metro Ethernet Services (10 Mbps and 100 Mbps service), allowing customers to mix speeds by location and application
- Available in switched or point-to-point solutions
- Allows full duplex at speeds of 1000 Mbps

# >> The GigE Advantage - Value

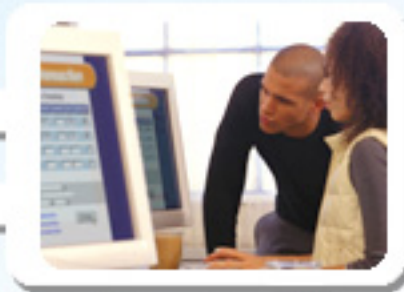


- Reliable and less expensive alternative to private line communication networks
- Allows you to deploy new applications quickly and easily with minimal capital investment
- Leverage existing human capital – no new training is required



# The GigE Advantage - Scalability

- Simple migration to higher performance levels – from 10 Mbps to 1 Gbps and beyond
- Clear migration path – leverage existing Ethernet protocol
- Provides scalable connectivity by site
- Supports expansion without disruption



# >> The GigE Advantage - Flexibility



- Flexible, reliable, high-capacity solution simplifies network architecture
- Transparent transport reduces the complexity of engineering and network management
- Allows you to support new applications including:
  - Video
  - IP
  - High-speed data
  - Multicast



# The GigE Advantage - Bandwidth

BellSouth GigE Service provides the high bandwidth capabilities that were once only available via SONET connections.

Time to download a feature length movie.





# GigE Applications

- Corporate LAN Interconnection
- Multi-application Transport
- Metro Virtual Private Network
- Point-to-Point High Speed Connectivity
- Network Attached Storage
- LAN Video/Video Training
- Pre-press
- CAD/CAM
- Backup Applications
- Medical Data Transfer
- Imaging
- Network Tape Backup and Restore
- Scientific Modeling
- Streaming Media
- Server Backup
- Back-end Server Applications



# Why BellSouth GigE Service?

- Meets your future bandwidth demands
  - Clear migration path to the next generation of data transport
- Supports new applications
  - Bandwidth scalability / low latency to implement new applications
- Lower cost of ownership
  - Minimal capital investment



# >> Why BellSouth GigE Service? *(continued)*

- Manages an expanding corporate network
  - Enables network-centric computing
  - Offers expansion without disruption
- Leverages your existing staff
  - Utilizes existing knowledge and training
- Improves network control and flexibility
  - Simplifies network architecture

*BellSouth® Gigabit Ethernet Service  
Meets Your Enterprise Challenge*

# >> Why BellSouth?

## Integrated Solutions

BellSouth provides reliable, integrated solutions that include:

- Network Services
- Professional Services
- Customer Premise Equipment
- Special Customer Arrangements

## Experience

BellSouth is a leader in Metro Ethernet Services and has consistently delivered a high quality of service that customers have come to expect.

## The BellSouth Network

BellSouth has built a network that is designed end-to-end to be dynamically sensitive to a client's requirements – providing the high performance, reliability and security that customers require.

**Imagine the possibilities** >>

[Click](#) here for more  
information, about  
BellSouth® Gigabit  
Ethernet Service.