



GLOBALKEY™

GlobalKey

“Worlds Apart In Secure Communications”



Exploiting the Internet For Business

- ◆ Enable transactions between vendors, clients, and employees through a low cost communications media.
- ◆ Enhance data exchange.
- ◆ Conduct research and analysis.
- ◆ Support advertising, technical support, customer relations and product distribution.

However.....



Perception of the State of the Internet

- ◆ The Internet gateway is a two way path opening your corporate information to the world... a gateway that firewalls can't protect. Top hackers and information thieves consider firewalls and passwords "a joke". *Electronic Engineering Times, Aug. 96*
- ◆ "The Internet is just not reliable ... it's not something you can bet your company on today". *Cornell University, July 96*
- ◆ "To expect the Internet to deliver predictable response times, then you're expecting it to do something it wasn't designed to do." *CIMI Corp, Sept. 96*
- ◆ "If you're steering some of your organization's mission critical applications onto the Internet's information highway, you'd better turn around now - While you still can". *Charles Bruno - Network World, Sept. 96*



Internet Challenges

- ◆ Easy to use “point and click” data protection, not just encryption.
 - Many corporations provide Internet access to employees and remote access to their networks, but most do not safeguard their strategic assets.
- ◆ Carriers are desperately trying to stay ahead of capacity requirements.
 - Routers are buckling under the strain of unchecked network growth.
 - Route tables for the Internet have grown wildly complex.
 - Traffic exchange points are often clogged.
- ◆ Network providers are responsible for their own infrastructures, but no one is responsible for the “Net”.



GlobalKey's Philosophy

Businesses need the Information Highway for research and advertising, *however*, businesses also need a reliable “Communication Highway” to provide global distribution of time critical or sensitive data.



What Is GlobalKey?

GlobalKey is a Global, Secure Data Communications Service providing:

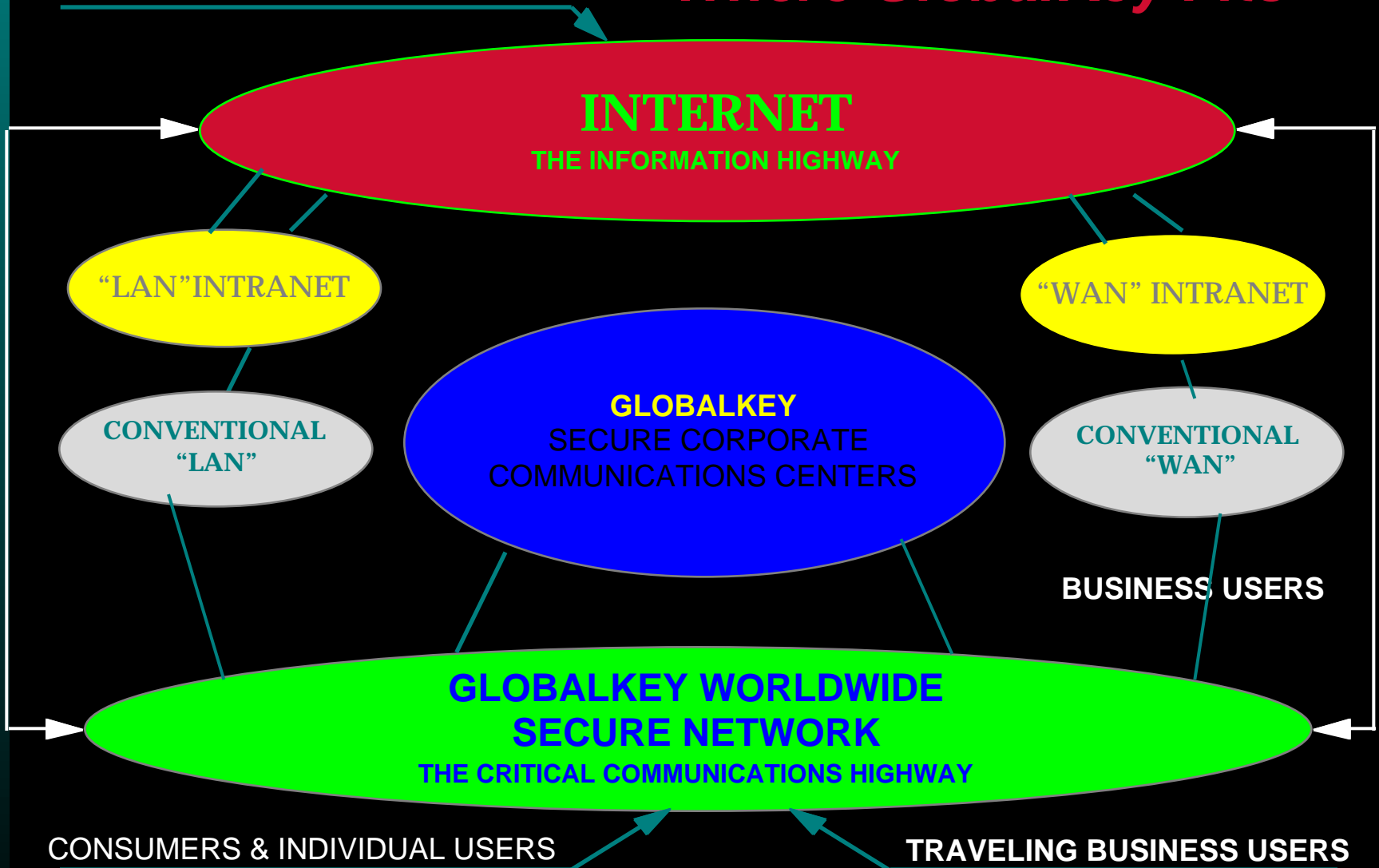
- ◆ Secure E-mail with Automated Certificate Management / Distribution
- ◆ Unfragmented Secure Attachments of Unlimited Size
- ◆ Collaborative Business Tools
- ◆ Reliable, Real-Time Communications Backbone
- ◆ Global Connectivity & Worldwide Access



GLOBALKEY™

CONSUMERS & INDIVIDUAL USERS

Where GlobalKey Fits



"Worlds Apart in Secure Communications"



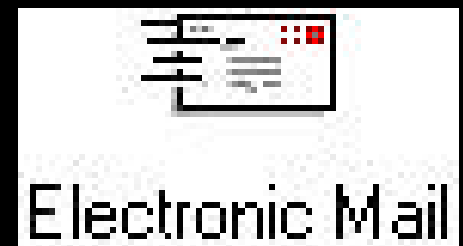
GlobalKey Features

- ◆ Secure E-Mail
- ◆ Data Conferencing
- ◆ Data Centers
- ◆ Message Centers (Forums)
- ◆ Polls & Questionnaires



E-Mail

- ◆ “Point & Click” Encryption
 - 256 Bit Symmetric Session Key (RC2)
- ◆ RSA Digital Signatures (Encrypted)
- ◆ Automated Certificate Distribution/Management
- ◆ Desktop Publishing Features (Including Graphics)
- ◆ Unfragmented File Attachments (Encrypted)
- ◆ Internet Gateway to Non-GlobalKey Users
- ◆ Auto-Forwarding
- ◆ Return Receipt
- ◆ Priority
- ◆ Off-line Messaging





Data Conferencing

- ◆ Global Real-Time Conferencing
- ◆ Worldwide Access
- ◆ 65,000 Channels
- ◆ User Defined Access (Optional)
- ◆ Conference, Chat, & Whisper Modes
- ◆ White Board
- ◆ File Upload/Download





Data Centers

- ◆ On-line Access to Data
- ◆ User Defined Access (Optional)
- ◆ Remote Access to LAN/WAN for Data
- ◆ Search/Retrieve Capabilities





Message Centers

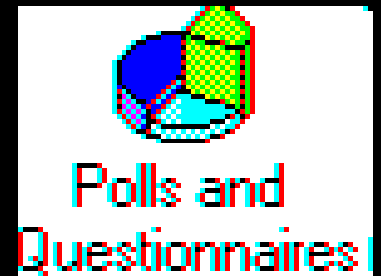
- ◆ Bulletin Board for Posting or Responding to Public Messages
- ◆ Hierarchical Storage & Retrieval
- ◆ Threading of Messages
- ◆ Search Capability





Polls & Questionnaires

- ◆ User-Friendly Setup Procedures
- ◆ Data Polling
- ◆ Instant Query
- ◆ Online/Real-time Database
- ◆ Aggregate Information
- ◆ Graphical or Numerical Representation of Data





Demonstration



Future Planned Enhancements

- ◆ SMIME Compatibility
- ◆ Encrypted Group Mail
- ◆ Multiple Encryption Algorithms
- ◆ Hardware Encryption Engines
- ◆ Encrypted Data & Video Conferencing
- ◆ Pager Notification Capabilities
- ◆ Satellite Communication Links



Products & Services

- ◆ Individual Subscriber Service
- ◆ Virtual Business Network
- ◆ Business Center
- ◆ Corporate Center
- ◆ Secure Internet Messaging Service



Individual Subscriber Service

- ◆ Worldwide Access/Connectivity
- ◆ Includes 3 Hours per Month Connect Time
- ◆ Free Software Upgrades and Customer Support
- ◆ Certificate Distribution/Management
- ◆ Secure E-mail
- ◆ Real-Time Data Conferencing
- ◆ Message Centers (Forums)
- ◆ Data Centers



Business Virtual Network

- ◆ Global Connectivity of Remote Offices or Mobile Work Force
- ◆ Worldwide Access
- ◆ Virtual System Management
- ◆ User Defined Access
- ◆ Company Key Escrow (Optional)
- ◆ Collaborative Business Tools including Polls & Questionnaires

Equivalent to a virtual LAN/WAN with global connectivity



Business Centers (planned)

- ◆ Modified GlobalKey System for Existing Network Applications
- ◆ Corporate Access Control
- ◆ Certificate Distribution/Management
- ◆ Corporate Key Escrow (Optional)
- ◆ Secure E-mail
- ◆ Secure File Transfer

Equivalent of an internal e-mail system with global connectivity.



GLOBALKEY™

Corporate Centers (planned)

- ◆ Full, turn-key GlobalKey System Installed for Internal Corporate Use
- ◆ Corporate Access Control to all Data Communications
- ◆ Certificate Distribution/Management
- ◆ Corporate Key Escrow (Optional)
- ◆ Secure E-mail
- ◆ Real-Time Data Conferencing
- ◆ Message Centers (Forums)
- ◆ Data Centers
- ◆ Polls & Questionnaires

Equivalent to a closed corporate system



GlobalKey Advantages

- ◆ Fast, Reliable Secure Communications
- ◆ Worldwide Access (Over 1100 POPs)
- ◆ User-Friendly “Point & Click” Encryption
- ◆ Automated Certificate/Distribution Management
- ◆ Features Scaleable to a Wide Variety of Business Needs
- ◆ Free Software Upgrades