



Unify Your Network, Simply and Cost Effectively

Imagine a single system that does it all using your existing IP network: from voice to data to video. One that combines the advantages of network-based telephony and the features of traditional PBX systems. All while reducing your infrastructure, lowering capital expenditure and operational costs, and increasing productivity.

With the Strata CIX™ and StrataNet networking, you can take full advantage of today's most advanced communications applications, while receiving these important benefits:

- Save money by avoiding costly long-distance charges on calls between various locations.
- Extend full telephone functionality to remote users via IP telephones connected to your private intranet or the Internet, providing full-featured desk phone capability to all users no matter where they are located.
- Reduce costs by transmitting voice calls via the Internet or your private intranet.
- Provide one integrated system for all your office locations by networking multiple Strata CIX systems to work together as one system.
- Share capabilities enterprise-wide, from centralized attendant services, a single voice mail system, and centralized call center operations, to simplified internal extension dialing, and SMDR.
- Turn a long-distance call into a local call by "hopping off" the network as needed.

StrataNet is a private networking application for inter-connecting Toshiba systems to work as one system.

- StrataNet delivers a rich set of calling features across multiple Strata CIX systems throughout your enterprise.
- Your users benefit from transparent dialing and simple feature operation.
- Advanced networking features include Centralized Voice Mail, Centralized Attendant, Network SMDR, and Station DSS button appearances across all nodes.
- Alternate Routing provides for toll bypass configurations and automatic recovery from network disruptions.

So if you need to interconnect your main office with branch locations and/or remote users, the Strata CIX with StrataNet networking is the solution.

SPECIFICATIONS

System Compatibility	Strata CIX100, CIX200, CIX670.
Connection Types	Strata CIX systems are interconnected via ISDN or IP. • DS1 (T1) circuits provide ISDN-type inter-connectivity. • StrataNet IP provides full StrataNet connectivity and capabilities over an IP network (VPN WAN, Internet, intranet, frame relay, fiber, or wireless).
Maximum Nodes	Up to 128 nodes can be accommodated within the StrataNet numbering plan. Up to four nodes connected in tandem can give satisfactory performance with regard to latency. As with any network design, transport delay, speech volume and other issues must be carefully considered.
Coordinated Numbering	Users can call each other across network nodes with simple network directory numbers. This eliminates the user's need for access codes and network maps. Calls that encounter a busy or unanswered destination can be forwarded to any node in the network, including a centralized voice mail system or attendant.
Alternative Routing	Each Strata CIX can be programmed for thousands of routing patterns for StrataNet alone. This allows the creation of networks in which calls can be automatically re-routed around network disruptions. Centralized facilities and features can continue to work and users will be unaware of problems while they are being repaired. Alternate Routing also permits Toll Bypass in which StrataNet can be used to deliver a public call from a point in the network where toll charges are minimized. Such a scheme is known as "Hop Off" for the ability of the private network to determine the point at which the call will hop off to the public network.
Centralized Attendant	One attendant can serve an entire StrataNet. Station users only need to dial "0" to reach the centralized attendant regardless of the node in which they reside. The attendant can reach any station in the network using its Network Directory Number. Trunks attached to any network node can be programmed to terminate to the centralized attendant and their source and calling party information will be delivered to the attendant's display. The busy/idle status of stations from remote nodes can appear on the centralized Attendant Console.
Centralized Voice Mail	A Toshiba Strategy [®] voice mail system attached to any StrataNet network node can serve users throughout the enterprise. Unanswered calls will be forwarded to the voice mail, the source and calling conditions identified and the appropriate voice mailbox greeting will be played. The voice mail system can control message waiting indications throughout the network as messages are left and retrieved. A single network can even support multiple centralized voice mail systems with each station being programmed for the appropriate system. Record to voice mail and voice mail soft keys are available across all network nodes from a single Strategy voice mail system.
Centralized Network SMDR	An external StrataNet call will generate a call record at the terminating node for that call. Call Accounting software on a single server can receive SMDR call data from each Strata CIX node via TCP/IP on the StrataNet network. Users with third party Call Accounting client software can retrieve reports from the server from any location.
Distributed Network SMDR	An external StrataNet call will generate a call record at the terminating node for that call. Transit nodes will not generate records. The records can be stored in customer-supplied external buffers at each node. Third party polling call accounting software can gather and organize the data from multiple nodes. Local buffering provides survivability in the event of network disruption.
Alarm Notification	Strata CIX eMonitor can monitor alarm conditions from multiple CIX systems over a WAN or the Internet from any location via SNMP traps sent over TCP/IP. Traffic reports can be sent from Strata CIX systems to remote locations over a WAN or the Internet from any Strata CIX location.
Network DSS/BLF	Telephone DSS buttons can appear across the StrataNet network. This enables a user's DSS button to function in all nodes in a CIX network. The DSS function works within or across a network.

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