TELEPRIME™
Advanced Communications Division

Teleprime ACD's PRI Interface Solutions Provide Scalability & Reliability for Next Generation Network Applications

Teleprime Advanced Communications Division (Teleprime ACD) now offers scalable gateway solutions for the migration of existing Primary Rate Interface (PRI-ISDN) based customers to next generation voice and data networks. These advanced solutions use a modular system concept to match existing customer premises equipment to next generation networks in order to lower recurring costs and gain productivity enhancements. Teleprime ACD's flexible PRI solutions combine customer equipment capital retention with increased system performance.

Problems with Existing Legacy PRI Networks

In some cases, Legacy PRI networks consist of a customer premises system, such as a PBX connected to the local central office via local PRI T1/E1 lines.

Most T1 PRI lines are set up for 23 channels (30 channels for E1) that support one or more inbound telephone numbers (DIDs). The existing PBX only allows attendants and user instruments located throughout their facilities to share the PRI line for telephone calling services. Today's business demands require more sophisticated features such as re-routing, competitive long distance, and advanced calling services that exceed existing PRI line capabilities. These advanced features can now be realized by migrating existing PBX systems to next generation networks using Teleprime ACD's PRI gateway solutions.

Single PRI Network Migration

For Single or Dual PRI applications, Teleprime ACD offers a stand-alone PRI to SIP gateway solution that easily connects to the existing legacy PBX or PRI telephone system.

This highly flexible gateway provides a fully functional PRI termination for the existing PBX and a next generation, flexible IP interface for the new telephone network. Low capacity customers currently paying high rates to a local PRI provider can leverage existing data services or acquire new, low-cost data circuits to replace expensive PRIs and reduce recurring costs. Teleprime ACD's gateway offerings support increased productivity and lower communication costs by providing advanced routing, private, long distance, and other supplementary features. In addition to the gateway itself, Teleprime ACD designs a customized network solution so that your reliability and service goals are met. With decades of experience in Telecom and technical support, our available service offerings include migration planning, extended warranty, maintenance, and network consulting.
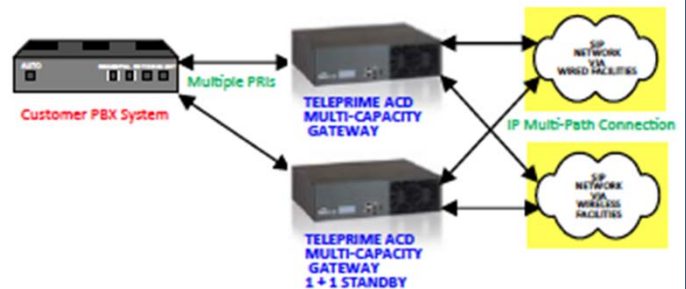
Multi-PRI Network Migration

For enterprise or carrier customers with multiple PRI facilities requiring connection to next generation networks, Teleprime ACD's advanced gateway network solutions provide a complete, integrated approach.

These solutions maximize the full potential of your SIP, SS7 or SIGTRAN next generation network connections. Multi-PRI capacities can range from 4 to 1024 T1 or E1 connections depending on network requirements.

Hi REL – PRI Network Migration

PRI users such as critical need call centers or high reliability service providers need multiple options for their network requirements. Connecting into next generation networks supporting high reliability network designs can generate additional cost savings and enhance service offerings.

Teleprime ACD's systems analysis approach results in a specialized, high reliability network that collectively addresses network, signaling, and loading requirements. Focusing network reliability on hardware redundancy is only one piece of the system. A key element of our system approach is ensuring the network can handle peak service demands over the planned transport in addition to the necessary hardware and software resources. Teleprime ACD's 1+1 standby gateway option is a prime example of a solution providing redundancy of both hardware and network connectivity. Teleprime ACD has successfully deployed multi-network topologies using facilities including T1/E1, cable, DS-3, STM-1 and other high-speed WAN and wireless facilities. Protect yourself from a "backhaul" problem by using facilities that have multiple access nodes or servers.

Contact Teleprime ACD with your PRI network requirement. We offer scaled solutions from a single span application to a multi-node, multi-network high reliability application.