

## Perle 594T Network Controller

### Moving to IP Routed Frame Relay Networks at Remote Sites

#### Problem

- An AS/400 customer has identified the benefits of adding support for IP protocol to their traditional SNA protocol-based remote branch offices, as well as moving the WAN connection to less expensive Frame Relay protocol. The company also wants to maintain the capabilities of its 10 PC LAN users and needs to support a few Twinax devices already deployed at their remote site.

#### Solution

- Deploy a Network connectivity solution that supports IP over Frame Relay, which can be used to connect all the remote branches to the central site AS/400 server and maintain Twinax support capabilities.

#### Benefits This Would Bring

- More cost-effective. Frame Relay is more cost-effective compared to other WAN solutions (e.g. X.25, SDLC).
- Low overhead. Frame Relay protocol has little overhead, maintaining high throughput and fewer transmission delays.
- Access non-AS/400 resources. IP users at remote sites can easily and rapidly access corporate intranets, extranets and the Internet using IP protocol, while maintaining their traditional SNA applications.
- Saves money. Multiple Frame Relay Network connections can be supported by an AS/400 server deploying a high-speed comm card. This reduces the number of access lines and amount of hardware required.

#### The Solution Proposed By Perle

- Replace the existing controller solution at the remote site with a Perle 594T Network Controller with IP Routing Feature. This solution provides IP LAN user support, while maintaining support for up to 8 Twinax 5250 terminals and printers. The IP Host Connect feature of the Perle 594T uses MPTN to convert SNA-based 5250 data streams into IP packets for transfer across a homogenous IP-based backbone. Users have the ability to move traffic from IP-based devices across the corporate network using IP over Frame Relay protocol, eliminating the need for parallel networks or SNA enabled routers.

#### Why Choose The Perle Solution

- Easy installation and support. Single box, single vendor solution.
- Saves money by eliminating external hardware and maintenance since neither FRADs nor DLSw routers are required.
- Efficient distribution and maintenance of software upgrades. Perle 594T software upgrades can be made from one central location across the LAN/WAN.
- Better performance. Frame Relay protocol support speeds up to 128 Kbps.