

## Perle 594 Network Controllers

### Replacing IBM 5393/Perle 394s To Deploy IP Over Frame Relay Networks At Remote Sites

#### Issue

- A Perle 394/IBM 5394 user wants to deploy IP-based LAN devices at remote sites but prefers to maintain the simplicity of their remote network. They also want to preserve Twinax capabilities and reduce network traffic costs.

#### Solution

- Deploy an IP protocol over Frame Relay connectivity solution to connect all remote branches to the central AS/400 server site, at the same time maintaining Twinax support capabilities.

#### Benefits This Would Bring

- More cost-effective. Frame Relay services are more cost-effective compared to other WAN solutions (e.g. X.25, X.21, 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.
- Saves money. Multiple Frame Relay connections can be supported on an AS/400 server using one high-speed comm card. This reduces the number of access lines and amount of hardware required.

#### The Solution Proposed By Perle

- Replace the Perle 394/IBM 5394 at the remote site with a Perle 594e or Perle 594T Network Controller. The Perle 594 provides support for both SNA and IP devices. This means Twinax users can still deploy their 5250 Twinax terminals and printers, while PCs running TCP/IP or SNA can be added to the LAN segment connected to the Perle 594. Using the Perle 594's MPTN option, SNA Twinax and LAN traffic, along with IP LAN traffic, can be routed across the IP-based Frame Relay Network in the single standard Internet Protocol (IP). The Perle 594 provides a single point of access to the IP Network for both Twinax and LAN devices - SNA or IP based - eliminating the need for expensive and complex SNA-enabled routers. The Perle 594 is a natural progression for replacing Perle 394 or IBM 5393 at remote sites that need a safe migration path to LAN and Open Systems. The Perle 594e/594T organizes the remote site infrastructure to deploy today's and tomorrow's applications.

#### Why Choose The Perle Solution

- Ideal transition path to Open Systems Networking. Provides Perle 394 or IBM 5394 Twinax-based remote sites a seamless and safe transition to Open Systems with support for LAN and IP devices along 5250 Twinax terminals and printers.
- Protects investment. Supports IP over Twinax, thereby protecting existing Twinax cabling at remote sites.
- Easy installation and support. Single box, single vendor solution.
- Saves money. Eliminates external hardware and maintenance, since FRADs or DLSw routers are not required. There are fewer devices to manage and less external hardware for potential points of failure.
- No performance overhead. By using a native AS/400 MPTN connection solution, users eliminate the poor performance overheads associated with DLSw router-based solutions.
- One central location to upgrade the software and manage the Perle 594 across the LAN/WAN.
- Better performance. Frame Relay protocol currently support speeds up to 128 Kbps.