

## Perle 594e Network Controller

### Migrating Remote Twinax Terminals to Twinax NCs

#### Problem

- A company wants to replace some of its Twinax workstations with Twinax attached Network Computers (NCs). But still wants to retain Twinax printing capabilities at the remote site. If the company implements Twinax attached NCs, the remote site's deployment of Twinax technology makes it impractical to download start-up applications from the Boot Server over a WAN. The solution chosen should provide minimal disruption to remote users who are accustomed to working with non-intelligent desktop terminals.

#### Solution

- There are several solutions for deployment of remote Twinax attached NCs. One solution would require an IBM controller, a SNA Gateway, an IP router and Boot Server with storage and file transfer capabilities at each remote site. This, however, forces the client into a multi-vendor solution and is not cost-effective. An alternative is for each remote Twinax attached NC to have its own storage capability to provide its start-up applications. However, this is costly and cumbersome to manage on an ongoing basis. A better solution is to use a Network Controller with a MPTN-enabled AS/400 server that can handle both IP and SNA printer traffic on the same Twinax cable, while performing as a Boot Server for the remote NCs.

#### Benefits This Would Bring

- Flexibility. Thin clients provide remote users with the best of both a midrange/terminal and an IP-enabled desktop.
- Performance. Having Twinax NCs boot locally will increase WAN bandwidth availability.
- Security. Twinax NC users cannot add anything to or take anything from the network.
- Maintenance. NCs have a significantly lower TCO (total cost of ownership) over PCs in an integrated network.
- IP over Twinax support protects remote site Twinax cabling.

#### The Solution Proposed By Perle

- With its Enhanced Networking Feature, the Perle 594e is the only remote workstation controller designed to fully support existing Twinax (SNA) devices in a true IP environment and offer Twinax attached NC Proxy Boot Server capabilities. The Perle 594e will allow customers with remote sites to integrate traditional SNA devices, Network Computers and other IP clients through a single Network Controller platform, without the need for additional routers, FRADs or Network Computer Boot Servers.

#### Why Choose The Perle Solution

- Lower networking costs. Remote Twinax NCs get start-up applications locally from the Perle 594e, reducing WAN network traffic.
- Scalability. Allows remote sites to take advantage of traditional SNA and provides a seamless transition to thin-client computing, when required.
- Reduce total cost of ownership. Allows integration of NCs and other IP clients through a single Network Controller platform, without the need for additional routers or FRADs.
- Reliable. Single vendor solution with no separate Boot Servers or IP routers at remote sites to manage.
- Management. Allows for controlled migration from Twinax devices and Twinax PCs to thin-client NCs.
- Performance. Much faster delivery of start-up applications to remote site Network Computers compared to booting across the WAN.
- Protects Investment. Supports IP over Twinax, thereby protecting Twinax cabling at remote sites.