

e-Twin@x Controller™

Complete hardware and software solution that provides a secure Twinax-over-TCP/IP connection to a local or remote AS/400 – without SNA!



Rear view of e-TwinSt@r Controller, with RJ45 unit attached.

Overview

The e-Twin@x Controller is the only SNA-free, pure TCP/IP Controller in existence. It allows you to leverage your investment in Twinax by supporting all Twinax display stations and printers (both SCS and IPDS), as well as existing cabling. When used as a remote Controller, all SNA, AnyNet and MPTN traffic is eliminated, leaving your network with a single protocol: pure TCP/IP, which is easy to configure and maintain, and is routable. The e-Twin@x Controller also supports remote management via a Web browser, saving you valuable technical resources.

Advantages

- 1 Replaces SNA connectivity and Anynet protocol with simple, easy-to-configure TN5250e TCP/IP.
- 2 Serves as a secure, low cost connection from your remote branches to the AS/400 using the Internet, saving a fortune in leased line expenses.
- 3 Allows configuration and management from a standard Web browser that accesses the Controller via dial up or over the WAN; most changes can be done without restarting the Controller.
- 4 Includes a built-in 2- or 6-port* Remote Access Server (RAS), complete with AS/400 client RAS software, built-in firewall and support for RADIUS standards.
- 5 Housed in a compact 1U communications Controller that fits into standard 19" rack-mount communications cabinets.
- 6 Provides IP over Twinax connection to a local or remote AS/400, allowing Twinax-attached PCs to benefit from IP applications such as e-Mail, Web browsers and Microsoft Networking, while running up to 5 times faster when used with BOS IP over Twinax drivers.
- 7 Supports up to 112 Twinax devices; upgrades to expand the number of devices supported from 8 up to 56, are software-based and can be applied either on-site or remotely, via the Internet.
- 8 Provides an interface to Citrix Metaframe supporting Twinax technology or other corporate intranet computing for PCs using IP over Twinax.

* optional



Secure, Reliable, Low Cost Connection using the Internet

When the traditional SDLC connection is replaced with a Wide Area Network (WAN) connection using TCP/IP, the e-Twin@x Controller can be used to maintain legacy Twinax devices (such as high-speed printers and dumb terminals) at your remote sites. In this configuration, all the devices will appear on the AS/400 as TN5250 devices, and all PC devices can connect to the AS/400 either by using dumb terminal emulation or by installing the e-Twin@x version of BOSNOVA TCP/IP or IBM TCP/IP drivers to connect to the AS/400 over TCP/IP.

The e-Twin@x Controller can be connected to the AS/400 via the Internet, saving you a fortune in leased line expenses. Requirements are minimal:

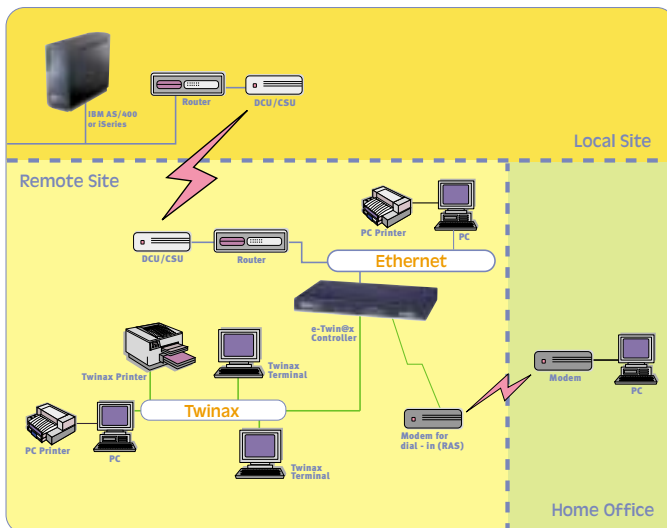
- 1 Local site: a fixed connection to the Internet and BOS' Java-based SECURIT-e Server™, which can be run on the AS/400, and any PC or Mini Computer with a Windows, Unix-based or Linux operating system.
- 2 Remote site: a connection to the Internet, either via a dial up account or using a leased line to a local ISP.

5250 traffic, encrypted via industry-standard algorithms, flows from the Controller to the Java-based server, where the data is deciphered and sent to the AS/400. The e-Twin@x Controller can initiate the dial-up to the Internet when the first user tries to access the AS/400. It also supports two parallel connections to two different ISPs, allowing increased bandwidth, speed and reliability.

Configuration and Maintenance with Ease

The e-Twin@x Controller is managed via a standard Web browser, which enables all of the units to be managed from a central point anywhere on the network, or via a modem dialed in to the RAS. Configuration can also be done using a dumb terminal attached to any of the ports. The Controller software can also be updated over the network or via dial-in. Terminals, PCs or printers can be added to the Controller very simply using a plug-and-play feature in Auto mode. The device name can be changed at any time, without restarting the Controller. The Controller also verifies the host connection, including which PTFs are installed for each OS version.

The e-Twin@x Controller as an IP gateway with enabled RAS feature.



Configuration and management can be done via a standard Web browser from anywhere on the network.

e-Twin@x Controller as an IP Gateway

The e-Twin@x Controller connects to the network using a standard network hub, which is attached to the local office via a standard IP router. Ethernet PCs can be connected to the same network hub as the Controller for mixed Ethernet and Twinax infrastructures.

With the TCP/IP drivers loaded on the PC, the user can take full advantage of the WAN, and get: support for e-Mail; printer and file sharing on the network; access to Internet applications; and support for Citrix Metaframe.

