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SNA•ps Gateway: Description (Discontinued)

Article Created: 21 June 1991

Article Last Reviewed:

Article Last Updated:

TOPIC -----

This article describes the SNA•ps™ Gateway.

DISCUSSION -----

Overview

The SNA•ps Gateway is Apple's implementation of Systems Network Architecture protocols and services. It is an integrated 3270 Advanced Program-to-Program Communications (APPC), and Advanced Peer-to-Peer Networking (APPN) gateway. You can configure it as a personal gateway for direct SNA connectivity or as an AppleTalk network gateway to enable any Macintosh to communicate with IBM systems running the VM, MVS, OS/400, and OS/2 operating systems.

The SNA•ps Gateway supports multiple expandable interface cards, tunable performance parameters, and combined 3270 and APPC configurations. It provides access to existing 3270 terminal-based applications and a Macintosh interface to host applications, databases, and OfficeVision services.

It is implemented on an intelligent NuBus card, and offers parallel sessions and independent LU support. The design frees the main Macintosh processor to run other LAN applications that provide file, mail, and database services. It is easily upgraded to support new features without hardware changes.

System Requirements

To use the SNA•ps Gateway, you need:

- A Macintosh II system with a minimum of 1MB of RAM (Additional RAM on the Macintosh II logic board will not affect gateway performance.)
- System software version 6.0.5 or later

- An Apple Coax/Twinax Card, Apple TokenTalk NB Card, or Apple Serial NB Card

Product Details

SNA Protocols. The SNA•ps Gateway protocols are a complete implementation of IBM LU 2, LU 6.2, and NT 2.1.

AppleTalk Gateway. In AppleTalk network environments, the SNA•ps Gateway serves as a network resource for Macintosh applications such as SNA•ps 3270 or third-party SNA•ps-compatible applications.

Server Administration. These Macintosh applications, which can be run on the Macintosh containing the SNA•ps Gateway or on a Macintosh connected to the Gateway via AppleTalk, are used to initialize and manage local and remote SNA•ps Gateways:

- SNA•ps 3270 Manager allows SNA•ps Gateway configuration where only 3270 terminal emulation is needed for a single connection to a single host.
- SNA•ps Config allows SNA•ps Gateway configuration for more complex environments that may involve multiple lines, multiple hosts, and APPC connections.
- SNA•ps Admin provides a complete set of management features for SNA•ps Gateways running any configuration created by SNA•ps 3270 Manager or SNA•ps Config.

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Keywords: specsht

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19960215 11:05:19.00

Tech Info Library Article Number: 7408