

For HP 9000 Series 800 Computer Systems

HP-UX Gateway/SNA 3270 allows interactive communications between an HP 9000 Series 800 and an IBM* System/370-compatible mainframe using SNA 3270 protocols. The Series 800 communicates to IBM through a Series 300 processor that functions as a gateway. HP terminals, monitors, and printers on the Series 800 emulate the functions of IBM 3278 terminals and 3287 printers. Gateway/SNA 3270 goes beyond emulation to include file transfer and multiple session capabilities.

Gateway/SNA 3270 requires LAN-based access to a Series 300 running HP-UX Gateway/SNALink (36593A) which provides the major features of an IBM 3274 cluster control unit and the lower four levels of SNA. Physical Unit Type 2 (PU2), Logical Unit Types 1, 2, and 3 (LU1, LU2, LU3) are emulated.

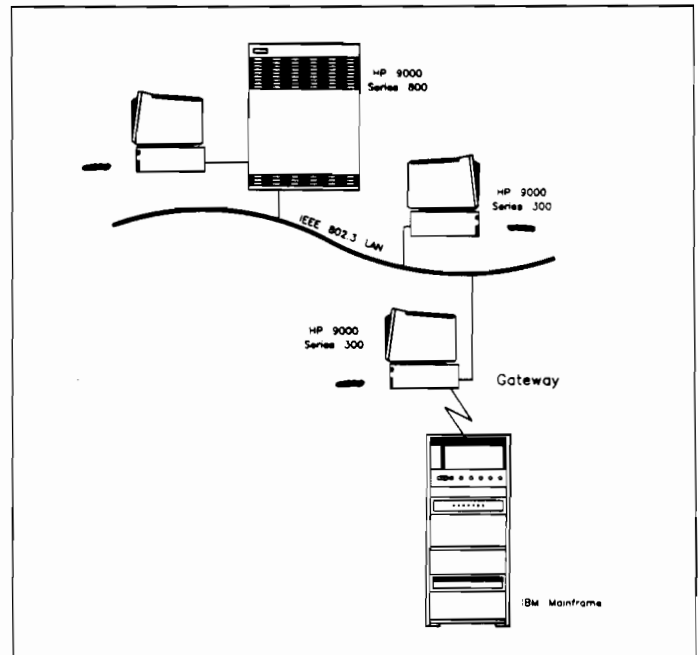
When used with the Series 300's Gateway/SNALink, the Series 800's Gateway/SNA 3270 allows access to 3270 applications on the mainframe such as TSO, CMS, IMS, and CICS.

Key Features

- Allows HP 9000 Series 800 workstation monitors, terminals, and printers to emulate the major features of IBM 3278 terminals and 3287 printers. Terminal access can be through the standard HP-UX supported options.
- PC3270 file transfer enables interactive file transfers on the HP 9000 to IBM systems running TSO, CICS, or CMS.
- Escape to UNIX** shell provides terminal users with the ability to access other HP-UX programs while maintaining the 3270 session in the background.
- Efficient screen handling routines provide a very responsive and low overhead user interface.
- Powerful commands to monitor and control the operation of the product.

* IBM is a registered trademark of International Business Machines Corporation. TSO, IMS, CICS, CMS, MVS, VM, ACF/VTAM, ACF/NCP, and System/370 are products of IBM.

** UNIX is a registered trademark of AT&T in the U.S. and other countries.



Functional Specifications

- When used with HP-UX Gateway/SNALink on a Series 300, the Series 800's Gateway/SNA 3270 emulates a 3274 Model 51C cluster controller and up to 50 active 3278 Model 2 displays and/or 3287 Model 1 printers on the network per Gateway/SNALink.
- The terminals and printers supported by the HP 9000 Series 300 running HP-UX are also supported by HP-UX Gateway/SNA 3270.
- Emulates the PC3270 file transfer capability that communicates with the IBM supported file transfer application on the host.
- Local screen print, screen logging to disk, 3287 printer output redirection to printer, file, or user program.
- Message Encoding: Supports NRZ (Non Return to Zero). Does not support NRZI (Non return to Zero Inverted).

Features Not Supported

- For the 3278 Model 2 display: Programmed symbols, alt cursor, test key, keyclick, extended attributes, encryption.
- For the 3287 Model 1 printer: PA1, PA2, cancel print

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Product Requirements

An HP 9000 Series 800 and the latest version of the HP-UX operating system.

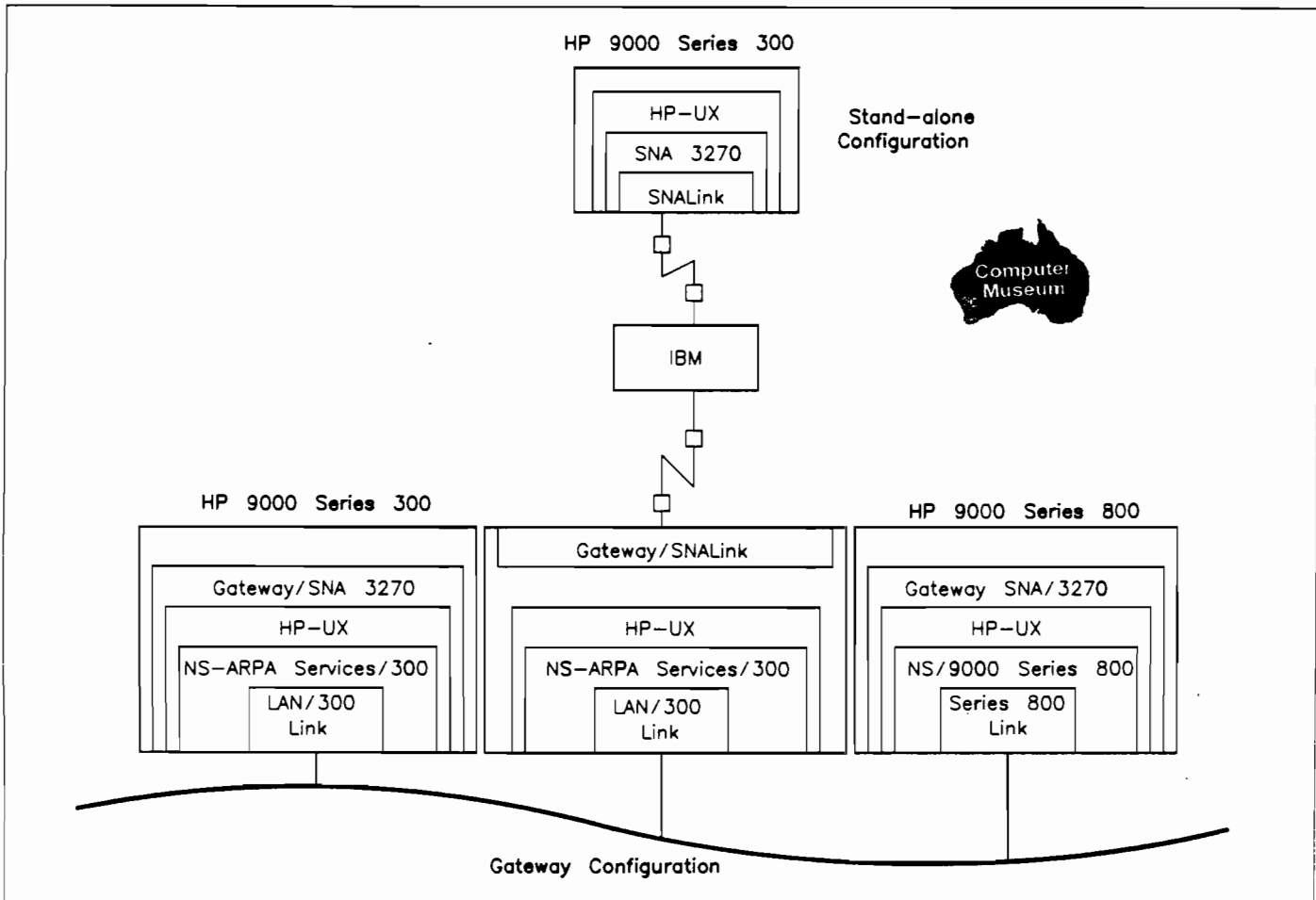
Access over a LAN to 36593A HP-UX Gateway/SNALink on a Series 300 which, in turn, is connected to the IBM system by a modem.

HP Network Services/9000 (NS/9000) Series 800 and LAN/9000 Series 800 Link are required to connect the processor to the LAN.

To ensure good performance, HP recommends 250 kilobytes of memory in addition to what would be required without the SNA product. This will accommodate the first active session. Incremental 3270 or 3287 sessions will require approximately 120K bytes each. One half megabyte of disc space is recommended to accommodate the Gateway/SNA 3270 product.

Customer Installation Responsibility

The product is customer installable. User installation aids such as an automated installation procedure and an IBM host generation guide are provided to simplify the process. Additional assistance can be provided by an HP Systems Engineer on a time-and-materials basis. An additional support service, Network Configuration Checkout (NCC), is available from HP to aid in the timely resolution of network problems. This is required as part of the NS/9000 installation process and has been found valuable in ensuring support for HP-to-IBM communications and identifying unsupported configurations. For additional information, contact your Hewlett-Packard representative.



Ordering Information

Product Number	Product Description
36911A	HP-UX Gateway/SNA 3270 for Model 840S, Right-to-Use license and first copy of software. Provided on 1/4-inch cartridge or 1600 BPI magnetic tape.
36911R	HP-UX Gateway/SNA 3270 Right-to-Copy and sublicense for an additional copy. Requires prior purchase of 36911A.
36918A	HP-UX Gateway/SNA 3270 for Model 825S.
36918R	Right-to-Copy.
36919A	HP-UX Gateway/SNA 3270 for Model 850S.
36919R	Right-to-Copy.

YOU MUST ORDER A MEDIA OPTION. Requires access to 36593A HP-UX Gateway/SNALink. Also requires NS/9000 for the Series 800 and LAN/9000 Series 800 Link.

Media Options:

Opt. AA0	1/4-inch cartridge tape
Opt. AA1	1600 bits per inch magnetic tape

Documentation

Document Number	Document Description
36590-61000	HP-UX/SNA 3270 and Gateway/SNA 3270 Reference Manual. The following documentation is included to help IBM host site personnel to configure ("gen") the mainframe for HP-to-IBM communications:
5958-8542	HP SNA Products: Manager's Guide
5958-8543	HP SNA Products: ACF/NCP and ACF/VTAM Guide
5958-8545	HP SNA Products: IMS Guide
5958-8546	HP SNA Products: CICS Guide

Support Products

36911A + S00	Software Materials Subscription (SMS) for Model 840S.
36911A + W00	Extended Software Materials Subscription (EMS)
36918A + S00	SMS for Model 825S.
36918A + W00	Extended SMS
36919A + S00	SMS for Model 850S.
36919A + W00	Extended SMS.

Response Center Support and Account Management Support customers must also order the Data Communications Category Support C, if it has not already been purchased.

