HEWLETT PACKARD

HP 3000 Telnet Access (Telnet iX)

Technical Data

Introduction

HP 3000 Telnet Access (Telnet/iX) allows any ARPA Telnet client to access HP 3000/900 applications on single or multiple HP 3000/900 systems attached to a LAN. These clients can be either connected to Terminal Servers, Systems or they can be PC based.

HP 3000 Telnet Access (Telnet/iX)is based on the standard TELNET-TCP/IP protocols.

Product highlights

The HP 3000 Telnet Access (Telnet /iX) is based on a Telnet Access Card installed in the HP DTC communication server.

Two cards exist one for the DTC48 and one for DTC 72MX.

The DTC HP 3000 Telnet Access (Telnet/iX) is:
- sharable between multiple HP 3000/900's,
- performant: no extra HP 3000/900 CPU resources are required to run Telnet.
- routable due to the standard TCP/IP implementation.
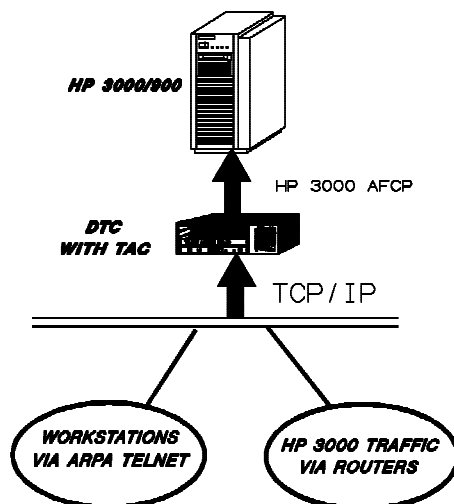
To use the HP 3000 Telnet Access (Telnet/iX) the DTC Manager running on the OpenView Windows workstation (PC based) is required.

For information on other DTC products, refer to the DTC family datasheet and to the individual product datasheets:

DTC 72MX:	HP J2070A
DTC16:	HP 2340A
DTC48:	HP 2345A
DTC Management:	HP D2355A
	HP J2120A

HP 3000 Telnet Access

Performance

Telnet protocol has NO effect on the HP 3000/900. The Telnet Access Card offloads the HP 3000/900 by converting the TELNET-TCP/IP protocols to HP OLTP optimized protocols.

The HP 3000 Telnet access performance is influenced by the type of user and also by the HP 3000 application's type

We class users as heavy, medium or light. Commercial OLTP applications users are typically medium users.

The HP 3000 application's types are:
* VPLUS: MM3000, PM3000
* Line Mode
* User block mode: HPDESK
* Charater mode

VPLUS applications are not affected by the user's type.

The other applications are affected. The attached table shows recommanded number of Telnet sessions per Telnet Access Card (TAC) for medium users.

A detailed modeling of the HP 3000 Telnet Access solution is available in the Product Sales Support guide. For any specific environment, a detailed evaluation of the performance can be done depending on application, transaction and user's types.

	Telnet Access Card	
	DTC 72MX version 14.0 or later	DTC 48 version 14.0 or later
Applications		
V-PLUS	80 active users	40 active users
User Block Mode (Medium users)	65 active users	30 active users
Line Mode (Medium users)	50 active users	20 active users
Character mode (Medium users)	25 active users	10 active users
HP Block mode	NO	NO
Features		
Type ahead	YES	YES
Binary	YES	YES

Medium users: enter 4 transactions per minute with a think time of about 10-15 seconds

Specific product features:

* **Simple Type ahead**
  This feature can be enabled programaticaly only. For more information see programatic manuals

* **Binary mode**
  This mode allows the transfer of binary files or the binary transfer of binary files. This feature is used for example, by applications such as: HP ADVANCE LINK, HP TODAY. For more information see technical manual.

Note: Printer support and Multisession are not available through HP 3000 Telnet Access.
Note: Only one Telnet Access Card is supported by either DTC48 or DTC-72MX.

Note: The Telnet Access Card (TAC) cannot co-exist with an X.25 card in a DTC48.

Ordering Information

Ordering the Telnet iX product

Telnet Access Card for DTC 72MX

J2080A Add-on
J2070A opt. 004 DTC Option

Telnet Access Card for DTC 48

2347A Add-on
2347A opt. 001 If DTC date code < 3110, must order

Ordering the OpenView DTC Manager

D2355A OpenView DTC
     Manager only

32054D OpenView Windows
     Workstation

201   DTC Manager
     Application

Ordering the Bundle ARPA Telnet + FTP

See ARPA Services/iX
Datasheet

Product requirements
- Free slot in the DTC
- MPE/iX version 4.0 or later (an upgrade tape is available for systems running MPE/iX 4.0)

Standard Conformance

HP 3000 Telnet
Access(Telnet/iX) is based on
the following standards:

- Telnet: MIL-STD 1782, RFC 854, 855, 856, 857, 859, 860, 1123
- TCP: MIL-STD 1777, RFC 793 ,813, 879, 964, 1122
- IP: MIL-STD 1777, RFC 791, 815, 816, 879, 950, 963, 1122
- ICMP:RFC-792, 1122
- ARP: RFC-826
- DNS: RFC-1034, 1035, 1123