

# HEWLETT-PACKARD

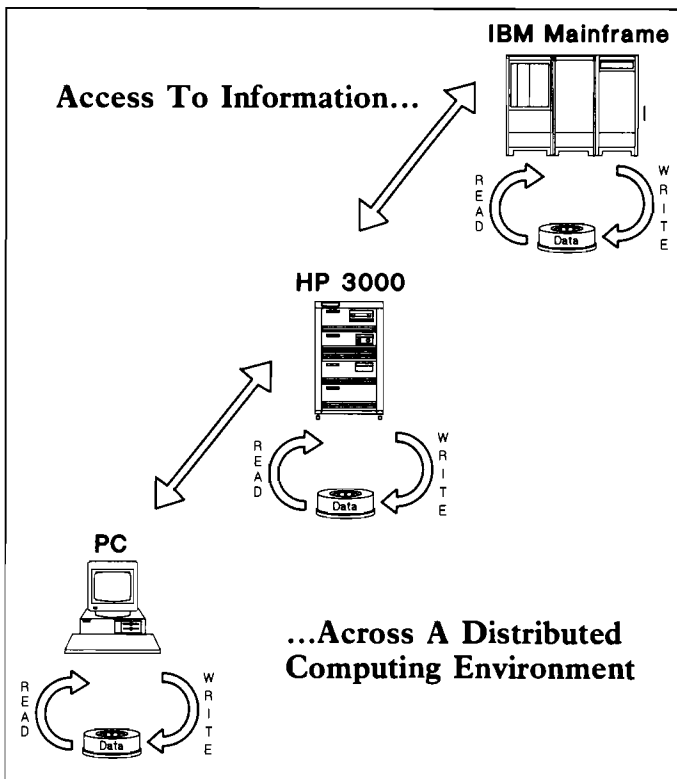
## Business System Plus: Information Access Module

### Data Sheet

#### Improved Business Decisions Through Better Access to Information

Information Access is a component of Business System Plus designed to deliver information to business decision makers. With information Access, PC users can easily retrieve data from PC, minicomputer, and mainframe sources and integrate it into PC applications. As a result, analysts, professionals, and managers spend less time gathering data and more time solving problems.

More specifically, Information Access is an information server on the HP 3000 that simplifies the tasks of information gathering and analysis for decision makers. The application front end on the personal computer offers both a command language interface for automating routine, structured tasks, and an easy-to-use interactive interface for ad-hoc, unstructured tasks. Additionally, by centralizing the administration of information distribution using high security controls, Information Access can improve the manageability of data processing systems. Information Access means simple yet secured access to information across personal computer, HP 3000 and IBM mainframe databases.



#### Access to Information Wherever It Resides

Information Access delivers the most current information to personal computer users by allowing access to PC data as well as host and remote HP 3000 databases and files. Mainframe data is also accessible on MPE/V systems through Cullinet's® Information Center Management System™ (referred to as C/ICMS). Analysts, professionals or managers do not need to know where the information is located or any data structure commands.

#### Mainframe Data Sources:

- Mainframe data residing in Cullinet's® Information Center Management System™ as well as other data sources supported by Cullinet's® Information Center Management System™, e.g., VSAM and, through additional Cullinet® facilities, IMS and DL/1.

#### Host or Networked HP 3000 Data Sources:

- Turbo IMAGE/3000 databases
- KSAM
- Self Describing Files (SD)
- MPE Binary (including ASCII)
- Business Report Writer Intermediate Report File (BRW/IRF, version A.01.30 or later)

#### PC Data Sources:

- R:BASE™ for DOS, System V, 5000, 4000
- dBASE III PLUS®, III®, II®
- Lotus® 1-2-3®, Symphony®
- Personal Card File
- Executive Card Manager
- CONDOR™

#### Capabilities

Because Information Access is **soft-key driven** and clearly documented, it is easy to learn and requires minimal training. Help screens and self paced training are included.

A **tabular view of data** means that end users do not need to understand the data structure or location. Users can view a combination of data from mainframe, HP 3000, and personal computer data sources by simply selecting menu items.

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**Status messages** estimate the length of time to process data inquiries against host and remote HP 3000 data sources. The end user is notified of the time the PC will be dedicated to the query and what percentage of the search is complete. Access requests for mainframe data receive status messages indicating elapsed process time and the number of records selected. If necessary, users can easily terminate lengthy requests.

**Host batch** capabilities allow complex or repetitive tasks to be initiated with a single step. Host batch, initiated from the HP 3000 by the database administrator, allows off-hours processing of data to facilitate regular consolidation of information for workgroup needs.

Powerful **PC command file** capabilities allow automation of common tasks. Information Access batch capabilities can be combined with other DOS .BAT files to automate entire office processes. Support of basic serial connection files allows users to logon to data sources over complex connections. Business managers can be prompted for passwords during logon and taken directly to the particular Information Access screen they want to work with.

Information Access will work in the **NewWave** environment. Also, Information Access now runs with Microsoft Windows 2.0 as a context-switchable program. End users will be able to move easily from data retrieval to further analysis. Simultaneous use of several applications including Information Access will be smooth and seamless.

The ability of Information Access to read and write to **BRW intermediate report files (IRF)** means a powerful product combination. Users can use the ad-hoc query capabilities of Information Access to access the same data used by BRW in generating routine reports. Users will not have to re-key data from BRW reports into PC applications. BRW is the MIS tool used to "PUSH" routine structured data out to managers and professionals while Information Access is the end user tool to "PULL" ad-hoc data into the manager's workstation for additional analysis.

Information Access on MPE/V systems supports use of **IMSAM™ keyed sequential access to Turbo IMAGE databases** that have been enhanced using Dynamic Information Systems Corporation's Information Management System. This allows keyed reads instead of serial reads resulting in a significant improvement in response time and CPU utilization.

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## Information Available In Usable Forms

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Once the data is brought down to the PC, end users have the ability to manipulate and organize it for better decision making. The business manager has the power to sort, join, summarize and convert data. Professional reports can be generated by the built-in report writer or results can be output to popular PC applications. Data transfer and conversion is automatic and transparent.

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### Mainframe Data Formats:

- C/ICMS Table Object
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### Host or Networked HP 3000 Data Formats

- ASCII Report
  - SD
  - Business Report Writer IRF (version A.01.30 or later)
  - MPE Binary (including ASCII)
  - DIF
  - Information Access Saved Table
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### PC Data Formats:

- Lotus® 1-2-3®, Symphony®
  - R:BASE™ for DOS, System V, 5000, 4000
  - dBASE III PLUS®, III®, II®
  - Personal Card File
  - Executive Card Manager
  - CONDOR™
  - Information Access Report Writer
  - File Formats:
    - DIF
    - Quoted Basic
    - ASCII
- 

### Capabilities

**Automatic conversion** of key business data into many popular formats is accomplished in one easy step. Information Access reformats PC, HP 3000 and C/ICMS information for use in popular applications such as Lotus® 1-2-3®, R:BASE™, dBASE™ or popular word processing and graphics packages.



An **upload capability** allows PC data to be transferred to the HP 3000 and saved in a variety of standard formats. PC or HP 3000 data can also be transferred to the mainframe and stored in a Cullinet C/ICMS format.

The built in **personal report writer** allows end users and business professionals to generate both ad-hoc and routine reports. This report writer is as easy to use as a good word processor, yet as powerful as you need—including nested sort headings and complex statistical functions. The personal report writer is soft-key driven and supports preprinted forms and custom templates for repeated use.

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## Central Administration For Security, Control and Performance

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The **Database Administration utility** provides control over the access and distribution of database information by centralizing administration. The administrator utility is soft-key driven and simple to learn. The database administrator can specify which existing data tables PC users can access, ensuring maximum security and control for your organization.

**Security capabilities** allow selective access to databases, datasets and even individual data items. User groups and passwords are set only by the database administrators. Information Access allows multiple data sources to be administered independently by those database administrators who maintain the data. Sensitive mainframe logon information, such as user identification and password security is encrypted and kept in privileged files on the HP 3000. When accessing mainframe information through Cullinet's C/ICMS, extensive security is provided by Cullinet, IMAGE/3000 and MPE security mechanisms. Because Information Access security is layered on top of each of these controls, the organization can be assured data integrity will be maintained.

Host processing is offloaded because the **cooperative processing** architecture of Information Access intelligently combines PC, HP 3000 and mainframe processing powers to best use your organization's computing resources.

For established MIS shops, productivity is improved by allowing end user access to information that previously required ad-hoc reports to be generated by the programming staff. Application development can be accelerated since Information Access, used as a prototyping tool, can quickly combine information from a variety of sources.

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## Product Information

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### Hardware Environment

#### Personal Computer Systems

- HP Vectra Family
  - IBM PC™ /XT™ /AT™
  - IBM PS/2™ Model 30, 50, 60, 70, 80  
Above models require:  
1.2 M byte flexible disk or hard disc
  - HP Touchscreen  
Above model requires:  
9122 or 9133 disk drive
- All models require:  
512K bytes minimum memory  
640K bytes minimum with OfficeShare Networking

#### HP 3000 Systems

Supported on all HP 3000s that support MPE/V or MPE/XL operating systems.

All MPE/V models require:

- 2M bytes minimum main memory
- 4M bytes minimum main memory with OfficeShare Networking
- 1M bytes additional main memory recommended with IMF or SNA IMF

All MPE/XL models require:

- 24M bytes minimum main memory

#### Mainframe Systems

- Systems that support Cullinet's Information Center Management System and HP IMF or SNA IMF
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|----------------|------------------------|
| e.g. IBM 370   | IBM Operating Systems: |
| IBM 30XX       | MVS                    |
| IBM 43XX       | MVS/SA                 |
| or compatibles | VM/CMS                 |

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## Networking Environment

PC to HP 3000 connection requires either:

- ATP or DTC RS-232-C or RS-422-C connection for one of the following:
  - Dedicated
  - Dial up
  - X.25 via HP 2334A Plus or 2335A—X.25 Multiplexer (Refer to HP 2334A Plus and 2335A data sheets for certified networks)

Also supported if connected to INP instead of ATP or DTC on HP 3000.

or:

- HP OfficeShare Networking Family (MPE/V and MPE/XL version A.20.00 or later)
  - HP ThinLAN for PCs
  - HP StarLAN for PCs
  - HP SERIAL Network

HP 3000 MPE/V operating systems to Mainframe connection requires one of the following:

- IMF
- SNA IMF

## Software Environment

### Personal Computer Systems

- HP Vectra Personal Computer Systems
  - MS DOS (Version 3.10 or later)
- HP Touchscreen System
  - MS DOS (Version 2.11 or later)
- IBM<sup>®</sup>, PC<sup>™</sup> or PC<sup>™</sup>/XT<sup>™</sup> Systems
  - PC DOS (Version 2.11 or later)
- IBM<sup>®</sup> PC<sup>™</sup>/AT<sup>™</sup> Systems
  - PC DOS (Version 3.10 or later)
- IBM<sup>®</sup> PS/2<sup>™</sup> Model 30
  - PC DOS (Version 2.11 or later)
- IBM<sup>®</sup> PS/2<sup>™</sup> Model 50, 60, 70, 80
  - PC DOS (Version 3.10 or later)
- If used with Microsoft Windows 2.03 or later, MS-DOS<sup>®</sup> or PC-DOS<sup>®</sup> 3.10 or later

### HP 3000 Systems

- MPE/V (G.03.03 (V Delta 3) or later)
- MPE/XL (A.10.02 or later)

### Mainframe Systems

- Cullinet's<sup>®</sup> Information Center Management System<sup>™</sup> Release 1.1 Final
  - TAPE VSN C8607M or later

## Ordering Information

- 32596A Information Access Kit for MPE/V based host and 1 to 10 PCs.
- 36896A Information Access Remote 3000 Link for MPE/V based host.
- 32586A Information Access Kit for MPE/XL based host and 1 to 10 PCs.
- 36897A Information Access Remote 3000 Link for MPE/XL based host.
- 32598A Information Access Cullinet Link for MPE/V based host.
- 32596L Information Access License For 10 additional PCs
- 32596T Information Access PC Software Documentation 5 sets of PC manuals (Vectra and Touchscreen)

## Support

### Office Services Category

- 99089B + C00 Office Services Category Support
- 99089B + V00 Extended Office Services Category Support

### Software Materials Subscription

- 32596A + S00 MPE/V host software and manual updates:
  - 1 PC manual update
  - 10 PC software Right-to-Copy
- 36896A + S00 Support, Remote 3000 Link for MPE/V based host
- 32586A + S00 MPE/XL host software and manual updates:
  - 1 PC manual update
  - 10 PC software Right-to-Copy
- 36897A + S00 Support, Remote 3000 Link for MPE/XL based host
- 32598A + S00 Cullinet Link host software update
- 32596L + S00 Vectra (5.25" and 3.5") and Touchscreen master updates:
  - 1 PC manual update
  - 10 Right-to-Copy license for software updates
- 32596T + Q00 PC software manual update service:
  - 5 PC manual updates

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