

AN
INTERNATIONAL
PRODUCT

A DATAPOINT BUSINESS COMPUTER SYSTEM

4121



Flexibility for Business Applications

Today's dynamic business environment places increasing demands on the flexibility of business computer systems. A system is needed that is capable of performing a wide variety of applications, is adaptable to many different configurations, and can easily be expanded to fill new requirements as a business grows.

The Datapoint 4121 meets these needs. Based on processing technology that is both proven and powerful, the 4121 can start small, keep getting bigger, change its function and configuration, and protect your investment all along the way.

Growth Capability — From One to Many

Your system can begin operation as an economical single-user workstation, expand to a multiple-user DATASHARE®

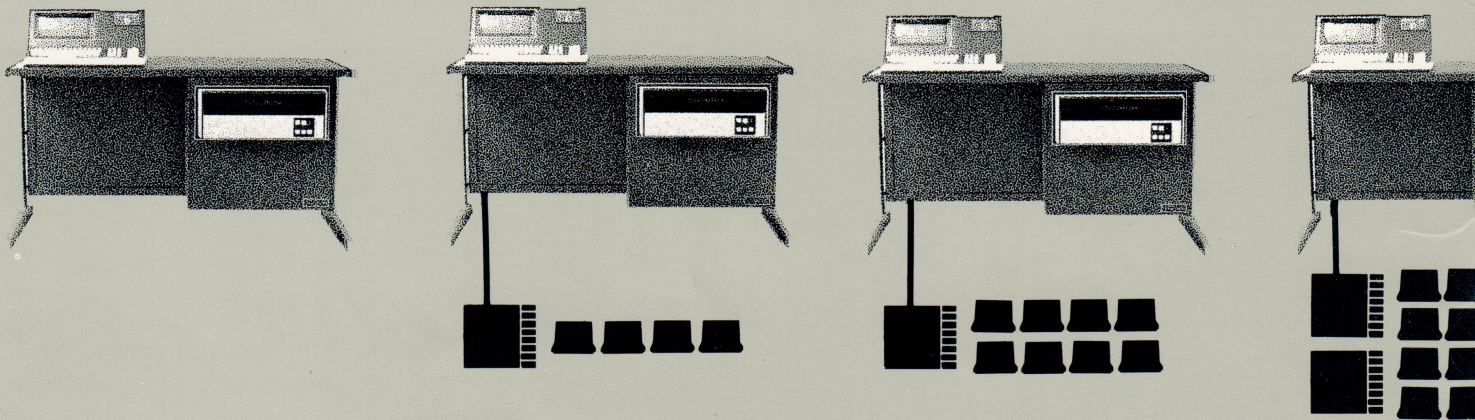
timesharing system, and eventually grow into Datapoint's powerful Attached Resource Computer™ system. And you can rest assured that each additional growth step preserves the time and money that you've already put into the system. Because Datapoint has always believed that all of its computer products should be upward-compatible.

The Hardware

The heart of the 4121 System is the Datapoint 5000, a cassette less version of the popular Datapoint 5500 Advanced Business Processor. This processor starts with a 20K user memory; through additional memory increments of 12K (up to a total of 56K), it is easily expanded to support larger, more complex applications.

The Datapoint 5000 combines a typewriter-style keyboard with a video display screen. It is supported by 5 megabytes of on-line disk storage, expandable up to 10 megabytes. For DATA-SHARE timesharing applications, the addition of a multiple-port communications

THE 4121 SYSTEM GROWTH PATH



- 20K User Memory
- 5 MB Disk Storage
- DOS with Utilities

- 20K User Memory
- 5 MB Disk Storage
- DOS with Utilities
- Multiple-port Interface
- DATASHARE (Up to 4 Users)

- 32K User Memory
- 5 MB Disk Storage
- DOS with Utilities
- Multipoint Interface
- DATASHARE (Up to 8 Users)

- 44K User Memory
- 5 MB Disk Storage
- DOS with Utilities
- Two Multipoint
- DATASHARE
- MULTILINK

adapter and the appropriate DATA-SHARE software readily converts the 4121 to multiple-user access.

Complete Line of Peripherals

Datapoint offers an extensive line of peripheral equipment, such as printers, tapes, and communications adapters. The 4121 may be used with any of these (see table). The list of peripherals supported by Datapoint grows constantly, and the Datapoint 5000 processor can take advantage of new peripherals as they become available.

Software — The Key Ingredient

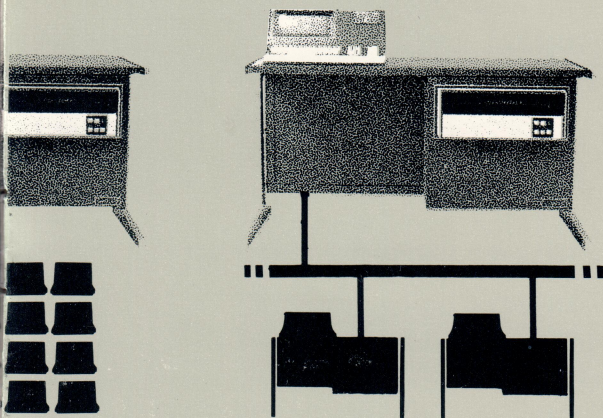
The most significant feature of the Datapoint 4121 is its ability to use the Datapoint languages and utilities. Because its software portfolio is so flexible and compatible, a 4121 could start out as a single-user DATABUS[®] station and grow into a powerful ARC[™] system while retaining the original programs.

Easy Telecommunications to Remote Computers

Whether the system is mainly to be used in a stand-alone mode, or in a network with other computer systems, businesses will benefit from the telecommunications capability built into every Datapoint system.

With the selection of the appropriate communications adapter and modem, the 4121 is capable of both batch and real-time telecommunications to remote computer sites.

EPA 32K



- 56K User Memory
- 5 MB Disk Storage
- DOS with Utilities
- Two Multipoint Interfaces
- DATASHARE (Up to 16 Users)
- MULTILINK
- ARC

y
ze
s
interfaces
p to 16 Users)

121

Typical Applications of the Datapoint 4121

DATA ENTRY — Error-free entry of critical source data is an easy task with DATAFORM[®] or DSGEN data entry packages. These let the user customize his own screen formats.

The interactive features of Datapoint's ANSI COBOL lend themselves to the data entry environment, in which operators are prompted to enter only correct information. The DATABUS language can also be used for intelligent data entry applications. Because of the complete file compatibility among all Datapoint software, these languages can be used interchangeably on the same files to accomplish a variety of tasks.

DATA PROCESSING — Users can select from a variety of languages for data processing tasks, such as DATABUS, for high-level programming requirements either by single users or under the DATASHARE timesharing system.

With Datapoint's ANSI-standard COBOL, jobs can be offloaded from a mainframe for more efficient processing distribution. It is ideal for data processing installations where COBOL is already familiar as a programming language.

Also available are RPGPLUS, BASICPLUS, and Assembler languages.

PROGRAM AND SYSTEM DEVELOPMENT — The Datapoint 5000 processor used in the 4121 system is based upon a powerful Disk Operating System (DOS). This dynamic DOS makes simple the tasks of file and peripheral management. In addition, each operating system contains a host of time-saving utilities, such as universal SORT, LIST, EDIT, REFORMAT, and other commands that can be used on any type of data processing task.

BATCH DATA COMMUNICATIONS — For applications where files need to be transferred to another computer for processing or updating, Datapoint provides a wide variety of communications emulator packages. These include IBM 2780 and 3780, HASP, Burroughs, Honeywell, Control Data, and Univac emulators. Also available are Teletype and DATAPOLL[®], the Datapoint-to-Datapoint communications package.

REAL-TIME COMMUNICATIONS — With Datapoint's MULTILINK enhancement to the DATASHARE timesharing capability, users may invoke telecommunications to a distant computer in a real-time (interactive) manner.

For example, if a local data base does not contain some needed information, an automatic, on-line inquiry to a remote data base can be initiated, without the need for batch-and-send procedures involving secondary files.

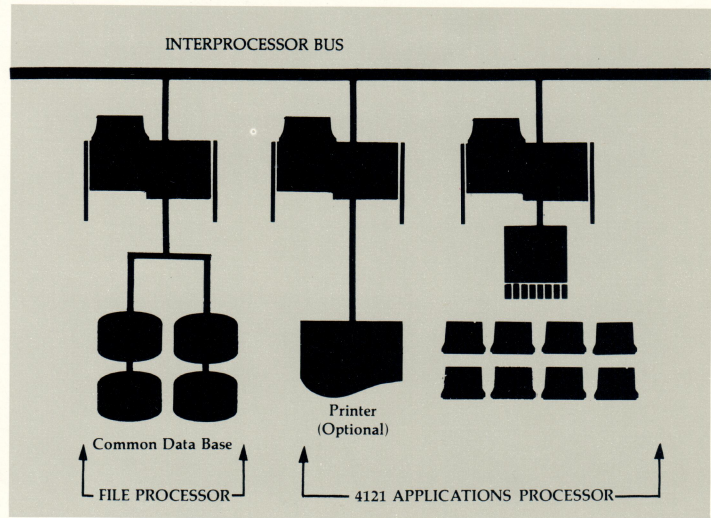
This ability of MULTILINK[™] allows many timesaving features to be built right into the data processing or data entry program. For more information on this special feature, refer to the Datapoint "MULTILINK" brochure.

Growing into an ARC System

The 4121 system memory may be expanded to 56K in size, and become an Applications Processor on an Attached Resource Computer system. Under this system, it may access the common resources (including the data base) of the entire ARC system.

With this potential for growth, a company's investments in hardware and software always remain intact. As the ARC system's potential size is essentially limitless, typical ARC systems of 20 to 30 processors would not be uncommon.

With all of these features, and a capacity for growth and adaptation unmatched in the industry today, the Datapoint 4121 Business Computer System is worth a good hard look.



Your 4121 System can easily grow to form part of a large Attached Resource Computer system.

SOFTWARE

Languages

DATABUS/
DATASHARE
DATAFORM
COBOL
RPGPLUS
BASICPLUS
SCRIBE
Assembler

Utilities

SORT
LIST
CHAIN
EDIT
COPY
INDEX
BACKUP
REFORMAT
NAME
and others

Communications

Emulators:
IBM 2780, 3780
IBM 360/20 HASP
IBM 2741
UNIVAC DCT-2000
CDC 200 UT
Honeywell G-115
Teletype
Multi-terminal
Emulator (MTE)
DATAPOLL
MULTILINK*
DSNET**

Disk
Operating
System
DOS.E

*In memory sizes 44K and 56K.

**In 56K memory size only.

AVAILABLE PERIPHERALS

Magnetic Tape

556, 800 bpi, 7-track
800, 1600 bpi, 9-track

Disk

5 Megabyte Disk Extension

Printers

80, 160 cps Freedom Printers
120/340 lpm Belt Printers
300/600/900 lpm Line
Printers

Card Reader

300 cpm

ARC Hardware

Resource Interface Module
(RIM)

Passive and Active Hubs

Communications Adapters

Synchronous and
asynchronous adapters
Rates up to 9600 baud
Multiple Port Adapter for
DATASHARE

SOFTWARE

MEMORY SIZE

	MEMORY SIZE			
	20K USER MEMORY	32K USER MEMORY	44K USER MEMORY	56K USER MEMORY
DATASHARE	DS45000 (Up to 4)	DS55000 (Up to 8)	DS55000 (Up to 16)	DS55000 (Up to 16)
MULTILINK			●	●
DSNET				●
A-Call	●	●	●	●
ARC*				●
MTE Version 2	●	●	●	●
MTE 55		●	●	●
COBOL (compile)				●
COBOL (execute)	●	●	●	●
RPGPLUS (compile)				●
RPGPLUS (execute)	●	●	●	●
BASICPLUS		●	●	●

See Datapoint's Software Catalog for full descriptions of these software packages.

*Local disk not supported.

A DATAPOINT BUSINESS COMPUTER SYSTEM

4121



DATAPOINT CORPORATION



The leader in dispersed data processing™

TRW DATACOM INTERNATIONAL INC.

DATAPOINT CORPORATION
Headquarters San Antonio, Texas

INTERNATIONAL SALES OFFICES:

TRW Datcom International Inc.
Los Angeles, CA 90024
Telex 69-1286
Telephone (213) 475-9861

Australia/Sidney/Sigma Data Corporation (02) 922-3100
Austria/Vienna/SCANIPS (0222) 36 21 41
Belgium/Brussels/SAIT Electronics (2) 376 2030
Brazil/Rio de Janeiro/TRW Computadores (021) 222 6795
Canada/Ontario/TRW Data Systems (416) 491 9606
Denmark/Copenhagen/A/S Regnecentralen (01) 105366
Finland/Helsinki/Oy Nokia (90) 661991
France/Paris/MATRA Informatique (01) 657 13 31
Germany/Hannover/GIER Electronics (0511) 67971
Greece/Piraeus/CHERMA Electronics (1) 4123471
Holland/Rotterdam/RC Regnecentralen (10) 216244
Hong Kong/ODS Computers (Lib) Inc. (5) 243121
Iran/Tehran/Multi Corp International 831035
Ireland/Dublin/Cara Data Processing (01) 783 166
Israel/Tel Aviv/I.S. Information Systems (03) 228174
Italy/Milan/ENCODEX (02) 316 333
Japan/Tokyo/CJK Co. Ltd. (3) 264 6131
New Zealand/Auckland/Sigma Data Corp/ 78543
Norway/Oslo/A/S SCANIPS (02) 357580
The Philippines/Makati Rizal/ Applied Systems (2) 877294
Singapore/Oriental Data Systems (00) 915822
South Africa/Transvaal/Computer Sciences (11) 724-9301
Spain/Madrid/Senercaya (1) 242 3905
Sweden/Hagersten/Nokia AB Elektronik (8) 188295
Switzerland/Zurich/TRW International (01) 545646
Taiwan/Taipei/EDP Taiwan Inc. (02) 768114
Thailand/Bangkok/ODS United Co. Ltd. (02) 2825689
Venezuela/Caracas/Data S.A. 213386