HYPERACCESS™

HYPERION MULTI-EXPANSION MODULE
HARD DISK DRIVES, COMMUNICATIONS, MEMORY

BRIEF PRODUCT DESCRIPTION

HyperAccess provides external expansion capabilities for the Hyperion in three key areas: Hard Disks, Communications, and additional memory. It is available in different configuration options depending upon which capabilities are required. The **maximum** configuration allows for **direct** access to **two 20M** Hard Disks **and** provides two **IBM** PC/XT compatible communications ports. **HyperAccess always** allows external memory access for the **HyperRam** (piggy-back).

HyperAccess attaches directly to the rear 50 pin expansion connector (EX) of the Hyperion. When plugged-in, it covers the EX connector and increases the Hyperion depth, partially, by **only 1 inch.** It may be easily removed to allow other equipment access the EX connector, should the need arise.

This versatile module is custom designed to meet the stringent interface constraints of the EX connector, and it contains high density and low power proprietary components.

KEY FEATURES

Functionality:	Hyperions or Ajiles Revision **5** or **9.**
Power Requirements:	No external power supply is required for the module.
Size:	6" x 7" x 1" .
Installation:	To the EX connector with optional screws.
Warranty:	One year, limited, parts and labour.
Optional Configurations:	**1.** Hard Disk Interface
	2. Two IBM communication ports
	3. Combined.
Expandability:	Single options may be upgraded to the combined.

TYPICAL HyperAccess APPLICATIONS

- Access up two 20M Hard Disks while using HyperRam or HyperRam Plus.
- Access an external modem to run IBM specific communications software.
- Access Mouse driven software.
- Access all of the above features from the combined module.

Available from: **TECHNOVATION RESEARCH**
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H Y P E R A C C E S S™

DETAILED PRODUCT DESCRIPTION

HARD DISK DRIVE INTERFACE OPTION

HyperAccess/H provides the industry standard **ST506/412** interface for up to two **20M** 3-1/2 inch or 5-1/4 inch hard disks. It enables the users to **directly connect their own** Hard Disks and power supply, or commercially available low cost chassis with Hard Disks. **No Hard Disk Controller is required.** A complete system is also available. It consists of HyperAccess/H plus a small chassis containing one or two **20M** Hard Disks and a power supply.

The Hard Disk Drives may be accessed under **DOS** 2.10 or higher. Self booting from the Hard Disk is possible on revision **9** Hyperions. The first Hard disk appears as drive **C:** and the second as drive **D:** . Ramdisks appear as subsequent drive letters (**E:, F:**).

Typical 20M Hard Disks with ST506/412 interface that may be connected to the HyperAccess/H are: Seagate, Microscience, Tandon, Maxtor, Miniscribe, Hitachi, Tulin.

HYPERACCESS/H SPECIFIC FEATURES

Interface Type:	ST506/412 for two drives
Data Transfer Rate:	5 M bits/sec
Sector Size:	512 Bytes
Sector Interleaving:	Factors of 1 to 16
Handling of media defects:	Alternate track assignments
Error Correction Scheme:	32-bit Polynomial

IBM COMMUNICATIONS INTERFACE OPTION

HyperAccess/C provides the Industry standard **RS-232C** interface for two ports, IBM COM1 and IBM COM2. They are capable of being **directly** addressed under IBM PC/XT communications software. This feature **overcomes** the incompatibility of the Hyperion communication port not being able to access external modems, mouse pointing devices or serial plotting devices under a number of software packages. Once HyperAccess/C is connected, the Hyperion specific communication ports can be switched in and out via software control.

Software with **Communications** access, such as Sympony, IBM Crosstalk, Qmodem, Procomm, Kermit, Enable, Framework, **is now** functional with an external modem connected to HyperAccess. A **mouse**, such as Microsoft mouse, may be also connected and used under Lotus 2.01 or any other mouse supported software that is functional on the Hyperion.

HYPERACCESS/C SPECIFIC FEATURES

Interface Type:	RS-232C (CCITT V.24)
Interface Signals:	TD, RD, RTS, CTS, CD, DSR, DTR, TC and GND
Signal levels:	Input: +/- 30V, Output: +/- 12V
Data Rates:	Up to 9.6K bps with internal clock

285
525
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810

ORDERING INFORMATION

HYPERACCESS/H	HARD DISK INTERFACE OPTION ONLY	$285.00 US
HYPERACCESS/C	COMMUNICATIONS INTERFACE OPTION ONLY	$145.00 US
HYPERACCESS/CH	COMBINED	$365.00 US

For a chassis with **one 20M** Hard Disk **and** power supply **add** $525.00 US
For a chassis with **two 20M** Hard Disks **and** power supply **add** $895.00 US
NOTE: Prices do not include shipping.