

Applied Data Sciences / MBHSD®
*High Speed Data Link between a MultibusII system & Encore computer
HSDII*

The MBHSD board from Applied Data Sciences provides a high speed, bi-directional link for transferring control, status, and data between an Intel MultibusII system and (a) any 32 bit external device using the Gould/Encore HSD protocol, or (b) the Gould/Encore HSD board, or (c) another MBHSD board.

Ordering Information:

Specify **MBHSD, P/N: 0700320**. Includes: technical documentation, and 20 foot cables. You can E-mail us at sales@appdatasci.com or call us at 972-242-7944 for pricing information.

Applications:

- Network/Gateway
- Interface MultibusII based system to Encore based system.
- Drive HSD peripherals from a MultibusII system.
- Data Link between MultibusII simulators.

Benefits:

- **Save money** - continue to use your existing HSD peripherals without having to make changes.
- **Save time** - the MBHSD is quick to learn and easy to use.
- **Simple Implementation** - lower software overhead and faster data transfers than ethernet.

Features:

- **Fast Transfers** - The data transfer rate is typically greater than 3.5 MBytes per second.
- **Data Path Options** - The MBHSD supports data transfers across the MultibusII LBX or PSB Bus.
- **Data Formatting** - During data transfer, the MBHSD hardware can reformat the words by:
 - Byte Swap
 - Word Swap
 - Word and Byte Swap
 - Pass the words straight through
- **HSD Compatibility** - The MBHSD performs transfers with any HSD compatible device.
- **IBL Compatibility** - The MBHSD performs transfer to and from the HSD board.

- Field Proven Design - The MBHSD is based on ADS's field proven PC and VME bus products.
- Easy Installation - The MBHSD is a standard 6U board.
- True emulation of the HSD (in both the HSD & IBL mode) controlled by the MultibusII.
- All features are software selectable. No switches or jumpers to set.