



THE RWS DUAL DENSITY DISK CONTROLLER III

The **RWS Dual Density Disk Controller III** is a standard 8" floppy disk interface card for Suding Bus computer systems. It occupies one I/O slot on the bus, and provides the access to industry standard 8" single or dual side floppy disk storage drives.

Standard features of the RWS Dual Density III controller card include:

- Supports Z-80 CPU based Suding Bus computer systems, including RWS products, and those manufactured by various plug compatible vendors.
- Support for both industry standard single density recording (IBM 3740 diskette 1 mode), and industry standard double density recording (MFM).
- Support for single side drives, and double side drives, intermixed in any combination, with the double side mode.
- Support for Digital Group compatible disk drive signal cable schemes, and for industry standard disk drive signal cable schemes.
- Adjustable disk write pre-compensation timing to allow for fine tuning of the controller to a particular set of diskette drives.

The **RWS Dual Density III controller card** is implemented in industry standard LS-TTL, and NMOS integrated circuit technologies. No custom or difficult to obtain parts are utilized. All digital integrated circuits are installed in sockets for ease of reparability.

Standalone software support is provided to allow for easy integration of the card into custom application environments. All standalone sample support software is furnished in source code.

RWS has available for sale versions of CP/M 2.2, CP/M Plus (CP/M 3), MP/M-II, OASIS, DISKMON, and MOPS for various combinations of the Dual Density III controller and other peripheral cards.

A standalone diagnostic aid, operable under DISKMON, or the Suding standalone audio operating system is furnished with the product. This diagnostic provides the ability to diagnose the disk controller subsystem in both normal and failure situations. The standalone diagnostic requires a TVC-64/parallel keyboard environment for operation.

Full disclosure of the electrical design of the controller card is provided as a standard feature of the product. Both a complete schematic, and a component placement pictorial are furnished. A full manual includes parts lists, and descriptions of the design of the card and diagnostic procedures.

The standard RWS 13 month parts and labor warranty applies to this product.

ORDERING INFORMATION:

Customer specifies if system in which the product will be installed is capable of supporting DISKMON or Suding audio, and if a DISKMON bootstrap EPROM is needed.