The CMD's CDU-710/712 Unibus SCSI host adapter is the best solution to bridging DEC MSCP/TMSCP protocols and SCSI optical, magnetic disk and tape products.

- 16-bit microprocessor
- Unibus MSCP, TMSCP compatible
- 16 KB sector buffer
- Command queuing and seek optimization
- Support up to 7 SCSI devices
- SCSI bus transfer rate up to 2 MB/sec
- Support SCSI disconnect and reconnect capability
- Support magnetic disk tape and optical drives
- On-board utility to format qualify drives
- Automatic drive configuration
- Dynamic defect management
- ANSI compatible tape format
- User selectable disk auto bootstrap
- Support single-ended or differential SCSI
- Cable length differential: up to 80 ft, single-ended: up to 20 ft.

For more information or to order call:

1-800-4-CMD-TEC
(1-800-426-3832)
In California call: (714) 454-0800

CMD TECHNOLOGY INC.
1 Vanderbilt
Irvine, California 92718
(714) 454-0800 • FAX: (714) 455-1656
CMD TECHNOLOGY, INC. ANNOUNCES:
CDU-710/712 DIFFERENTIAL/SINGLE-ENDED UNIBUS SCSI HOST ADAPTER.

The CDU-710/712 is an intelligent Unibus Quad-wide SCSI host adapter which is fully compatible with the DEC Mass Storage Control Protocol (MSCP) and Tape Mass Storage Control Protocol (TMSCP).

The CDU-710/712 offers two separate SCSI channels: single-ended and differential. The single-ended channel can communicate with drives in a maximum distance of 20 feet, while the differential channel can control drives at 80 feet away from the system.

The CDU-710/712 can be used with the PDP-11/84, PDP-11/70, PDP-11/44, PDP-11/34, PDP-11/24, VAX, etc. It supports RT-11, TSX+, RSX, RSTS, ULTRIX, UNIX, VMS and other operating systems which use the DU/MU drivers.

The CDU-710/712 supports 16K bytes sector buffer, command queuing, seek optimization, standard SCSI bus arbitration, disconnect/reconnect, and all required SCSI commands. Up to seven SCSI target devices (magnetic or optical) can be connected to CDU-710/712 with SCSI bus data transfer rate to 2M bytes per second.

The CDU-710/712 has an on-board utility for users to configure and format drives, scan bad blocks and replace them automatically.

The CDU-710/712 contains a user selectable automatic disk bootstrap option which can boot up the system on power up. It comes standard with an installation manual and a one year warranty.

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**CONTROLLER SPECIFICATIONS**

| Emulation: | MSCP, TMSCP |
| Bus Interface: | Unibus |
| CSR address: | (Disk) 772150, 760334, 760354, 760374, 760340, 760344, 760350, 760360 |
| (Tape) 774500, 760404, 760444, 760504, 760544, 760610, 760450, 760454 |
| (Disk/Tape) 772150, 760334, 760354, 774500, 760404, 760444 |
| Interrupt priority: | Level 5 |
| Interrupt vector: | Software programmable |
| Command queuing: | 10 commands with optimized seek |
| Data buffer capacity: | 16K-Byte sector buffer |
| Bootstrap: | On board auto bootstrap and utility bootstrap |
| Formatting: | On board format and bad block replacement |
| Software supported: | All standard DEC operating systems |
| LED indicators: | Self test, drive error |
| Peripheral interface: | Small Computer System Interface (SCSI) |
| SCSI bus transfer rate: | 2MB/sec (maximum) |
| SCSI parity: | Odd parity |
| Multiple device support: | Up to 7 SCSI devices |
| System performance: | Support disconnect/reconnect capability |
| SCSI Driver/Receiver: | CDU-710, single-ended |
| CDU-712, differential/single-ended |
| SCSI cable length: | CDU-710, up to 20 ft. (6 meters) |
| CDU-712, up to 80 ft. (25 meters) |
| Operating temperature: | 5° C to 50° C |
| Relative humidity: | 10% to 90%, non-condensing |
| Power requirement: | 5VDC, 2.8 A |

* MSCP, TMSCP, RT-11, RSX, ULTRIX, RSTS, VMS, Unibus, PDP-11, VAX are trademarks of Digital Equipment Corporation.
* TDX+ is a trademark of S & H Computer Systems, Inc.
* UNIX is a trademark of AT&T.
* Specifications subject to change without notice.

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**MODEL DESCRIPTION**

- Single-ended SCSI:
  - CDU-710/M . . . . Magnetic disk
  - CDU-710/T . . . . Magnetic tape
  - CDU-710/OM . . . . Optical and magnetic disk
  - CDU-710/TM . . . . Magnetic disk and tape

- Differential/Single-ended SCSI:
  - CDU-712/M . . . . Magnetic disk
  - CDU-712/T . . . . Magnetic tape
  - CDU-712/OM . . . . Optical and magnetic disk
  - CDU-712/TM . . . . Magnetic disk and tape

**DRIVES SUPPORTED:**

- **DISK:**
  - CDC, C.ihh, Conner, Fujitsu, Hitachi, Maxtor, Micropolis, Priam, Quantum, Rodime, Seagate, Siemens, Toshiba, ... etc.

- **TAPE:**
  - Cipher, Exabyte, Wangtel, Kennedy, Archive, Caliper, Tandberg, Fujitsu, CDC, DAT, ... etc.

- **ERASABLE OPTICAL:**
  - Rcoh, Sony, ... etc.

- **CD-ROM:**
  - LMS, Phillips, Toshiba, ... etc.

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