

**MSD**  
MICRO-SYSTEMS DEVELOPMENT, INC.

**MSD**

**C64  
IEEE**

- IEE Interface cartridge
- Supports all CMB/PET commands
- Maintains full expansion capability







**MICRO-SYSTEMS DEV. INC.**  
of DALLAS, TEXAS U.S.A.

We are an innovative  
Software-Hardware  
development firm, oriented  
toward you, the  
end-user.

#### **VIC-20 IEEE INTERFACE CARTRIDGE**

Provides normal CBM/PET control over the IEEE-488 bus.

#### **V232/C232 INTERFACES**

The V232 and C232 RS-232 are serial interfaces providing both positive and negative voltage swings to meet the full EIA standard for VIC-20 or COMMODORE 64.

#### **VIC-20/COMMODORE 64 TERMINAL EMULATOR**

The TERMINAL EMULATOR lets the VIC-20 operate as a dumb terminal to larger computers.

#### **MEMORY EXPANSION CARTRIDGES**

They are completely buffered and give immediate and automatic memory expansion of 8K, 16K, or 24K RAM for VIC-20.

#### **MOBILE ATTACK VIDEO GAME CARTRIDGE**

An arcade quality game that rivals all popular arcade games. Available in cartridge, cassette, or diskette for VIC-20.

#### **JOYSTICK**

An arcade quality joy stick featuring dual firing buttons for VIC-20 or COMMODORE 64.

#### **VEX-3 EXPANSION BOARD**

For utilizing more than one cartridge in the expansion port of the VIC-20.

#### **VEX-6 EXPANSION BOARD**

For the serious VIC user. Features: A position selecting DIP switch; fused to protect the VIC power supply; reset switch to 'Restart' the VIC without turning power off.

#### **COMMODORE 64 IEEE INTERFACE CARTRIDGE**

Provides the COMMODORE 64 user with normal CBM/PET control over the IEEE-488 bus with approximately 1K bytes of interface software on the board.

#### **VMC/CMC MONITOR CABLES**

Allows the VIC-20 and/or the COMMODORE 64 to connect to a monitor instead of a T.V.

#### **VAC AUDIO CASSETTE INTERFACE**

Provides input/output and remote control of a standard audio cassette recorder for VIC-20.

#### **VT40 TERMINAL EMULATOR**

Cartridge which allows the VIC-20 to display 40 columns of characters when used in conjunction with the RS-232 port and requires no additional memory.

#### **MODEM**

Auto answer, auto dial, direct connect (does not require a telephone), 300 baud rate for VIC-20 and COMMODORE 64.

#### **PARALLEL INTERFACE**

Allows parallel type printers to be interfaced with the VIC-20 or COMMODORE 64.





↑ EXPANSION PORT ↑

↑ CBM-IEEE ↑

# TRANSPARENT INTERFACE

Model No. CIE

**C64<sup>®</sup> - IEEE**

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by:

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↓ C64 ↓