



243D

Product Specification

Description: Video and Duplex Data

Please call for product availability.

The 243D Video and Duplex Data system has been replaced by the S730DV Video and Universal Duplex Data system.

Please refer to the S730DV Product Specification.

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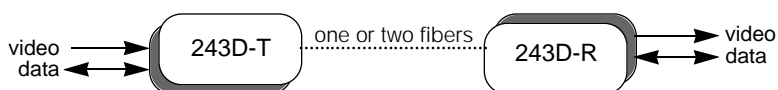
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VIDEO + TWO-WAY DATA MULTIMODE FIBER

243D



The Fiber Options Series 243D System supports high-quality, simultaneous transmission of video one-way and two-way transmission of control-data signals such as RS232, RS422, RS485, TTL, Manchester (or biphase), and relay/contact closure. These systems incorporate LED status indicators which greatly ease installation by providing a quick visual indication of system operation. Incorporating AGC circuitry, the systems require no field adjustments either at installation or periodically thereafter. These links may be ordered either as standalone units in a 502R Miniature Enclosure, or rack versions for mounting in Fiber Options' Series 515R Card Cage System or Series 517R Racking System, each unit occupying two rack slots.



For a single-mode version of this product refer to specification sheet 2243D.

FEATURES

- One-Way Video and Two-Way Data Over One or Two Multimode Fibers.
- Supports RS232, RS422, RS485, TTL, Manchester (Biphase), or Relay/Contact Closure.
- AGC Circuitry.
- Diagnostic Indicators: Level/Loss™, Video, and Data.
- Standalone Units or Rack Cards.
- Operates Over >10,000 Feet (3048 Meters).

VIDEO/DATA

- Video Bandwidth: 8 MHz.
- Data Rate: DC to 19.2 kbps max.
- Bit Error Rate: > 10⁻⁹ within optical budget.
- Signal-to-Noise Ratio: > 54 dB @ maximum optical attenuation.
- I/O Level: 1 V peak-to-peak.
- I/O Impedance: 75 ohms.
- Differential Gain: < 3%.
- Differential Phase: < 3°.
- Connectors: Optical, AT&T Type ST; Video, BNC; Data, 6-pin screw terminal.

POWER/TEMPERATURE/SIZE

- +12-16 VDC @ 500 mA.
- Operates at 32° F to 122° F (0° C to 50° C).
- Storage at -40° to 185° F (-40° to 85° C).
- Standalone units in 502R: 9.25" D x 6.33" W x 2.05" H (23.5 x 16.08 x 5.2 cm).
- Rack units occupy two rack slots.

OPTIONS

- Standalone units require one 612P adapter.

Part Number	Description	Product Code	Fiber Qty / Size	Maximum Attenuation	Wavelength	Comments
243D1-T*	Transmitter	1B**	1 / 62.5 μ	13 dB	850/1300 nm	AT&T Type ST optical connectors are standard.
243D1-R*	Receiver	1B**				
243D2-T	Transmitter	1B**	2 / 62.5 μ	13 dB	850 nm	If ordering units for use with 50μ fiber reduce the optical budget by 3 dB. Higher optical budgets available. Consult factory.
243D2-R	Receiver	1B**				
243D2L-T	Transmitter	1B**	2 / 62.5 μ	13 dB	1300 nm	
243D2L-R	Receiver	1B**				

* Optical multiplexing used for two-way transmission over one fiber. Functionally units are transceivers with the -T in the model number indicating transmission at 850 nm and the -R indicating transmission at 1330 nm.

**Use product code suffix to specify data format, e.g.: 11 = TTL; 22 = RS232; 33 = relay; 44 = RS422, 55 = Manchester (biphase); AA = RS485 (2 wire); BB = RS485 (4 wire).

To specify units for rack mounting, add -R to the part number.