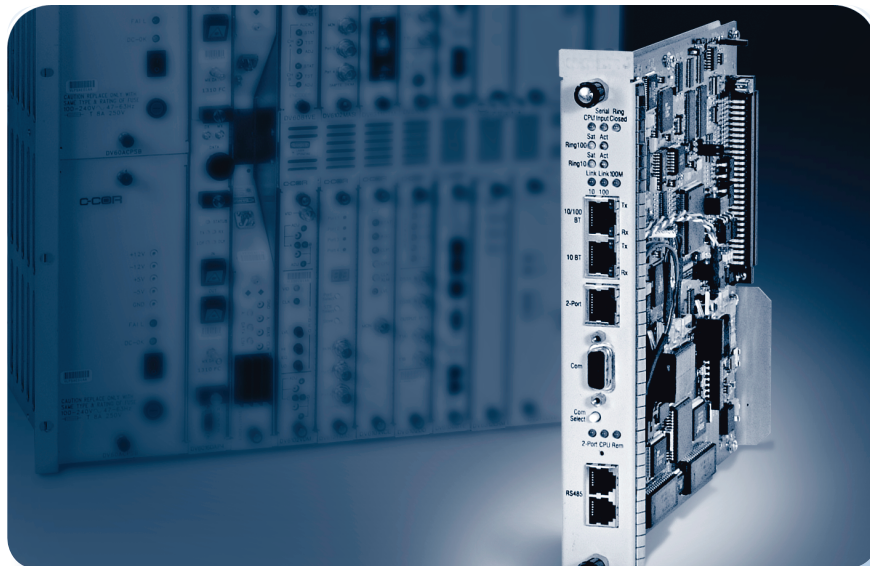


DV6000 VIDEO TRANSPORT MODULES**BTE 10/100BaseT Ethernet Tributary & Switch Interface Cards****Features**

- Provides two separate Ethernet transport interfaces, one 10/100BaseT and one 10BaseT
- Capable of interoperating with and/or replacing a DV Fast Ethernet (DVFE-1) system
- Contains a dual-port terminal server (2-port), allowing for remote communication with the card's onboard CPU (command line interface), as well as colocated DV shelves via an RS-485 daisy chain
- Configuration and statistical data access available for any/all network DV6100BTE2 cards through direct cabled connection to card front panel



The DV6100BTE2 10/100BaseT Ethernet Tributary & Switch Interface card for the DV6000 Product Family. This card plugs into any encoder/decoder slot of a DV6000, DV6400, or DV6300 digital transport system to provide interface and switching functionality for one 100BaseT and one 10BaseT Ethernet signals to a DV network ring. Additionally, the DV6100BTE2 card provides a 10BaseT interface to an internal terminal server that facilitates communication for remote monitoring and element management of the card and colocated DV shelves.

The DV6100BTE2 acts as an encoder card, capable of placing both 10Mbps and 100Mbps of Ethernet data from the front panel 10BaseT and 100BaseT ports onto a single channel of a DV network ring. The data from each port is carried separately in the DV timeslot. A DV6311ETM Decoder card removes the Ethernet data from the timeslot of a DV network ring and inputs it back into a DV6100BTE2 for processing. The data is then either sent out the respective local Ethernet port, put back onto the DV network ring via the shelf backplane interface, or both.

- 100BaseT port operation is configurable for 10BaseT or 100BaseT mode
- 10BaseT port operates in 10BaseT mode (total ring bandwidth of 2.7Mbps)
- Ports communicate to other Ethernet ports configured for full-duplex operation only (will not communicate to a hub)
- 100BaseT port is interoperable with the DVFE-1 system allowing for unit replacement or ring expansion
- Ethernet or Fast Ethernet frames are switched from 100BaseT port to 100Mbps outgoing stream via backplane interface
- Ethernet frames are switched from 10BaseT port to 2.7Mbps outgoing stream via backplane interface

Communications Interfaces Details

There are two communications interfaces located on the front panel. One is a dual RJ-11 connector providing local access to the RS-485 bus running P95 commands (also accessible through rear screw terminals). The other is a DB-9 connector for an RS-232 port that is front panel switch selectable between the on-board CPU and the terminal server. Statistics and configuration settings are available via the RS-232 port by connecting a PC running a standard terminal program. The user has password-protected capability to change configuration settings. Major and minor alarm notification utilizing screw terminal contact closures are located on rear of shelf.

Dual Terminal Server Port Details (DV6100BTE2 version only)

The DV6100BTE2 card contains a dual port terminal server (2-port) with one front panel RJ-45 connector. Through this port remote monitoring and communication over the RS-485 bus is facilitated, as is remote access to the command line interface. A front panel DB-9 connector also provides local access to the terminal server port. Reset capability of this port is located on the front panel.

Specifications

Standards:	IEEE 802.3 10BaseT IEEE 802.3u 100BaseT Transport of IEEE 802.1Q Tagged VLAN frames	Temp. Operating:	0 to 50° C
Content Addressable:	100 BaseT Port: 4096 unique MAC addresses	Storage:	-40 to 70° C
Memory (CAM):	10 BaseT Port: 2048 unique MAC addresses	Humidity:	10 to 95%, noncondensing
Dimensions :	1.19 W, 7.75 H, 9.14 D inches	Reliability:	Bellcore TR-332, min. 100,000 hours
Weight Maximum:	4lbs	Compliance :	International Standard CISPR-22 Recognizes FCC approvals (Canada) EN55022, Class A (Asia) FCC Part 15, Class A (USA)
Power :	< 14.5W		

Specifications subject to change without notice

