

## DL231 IP to T1 Router

### DESCRIPTION

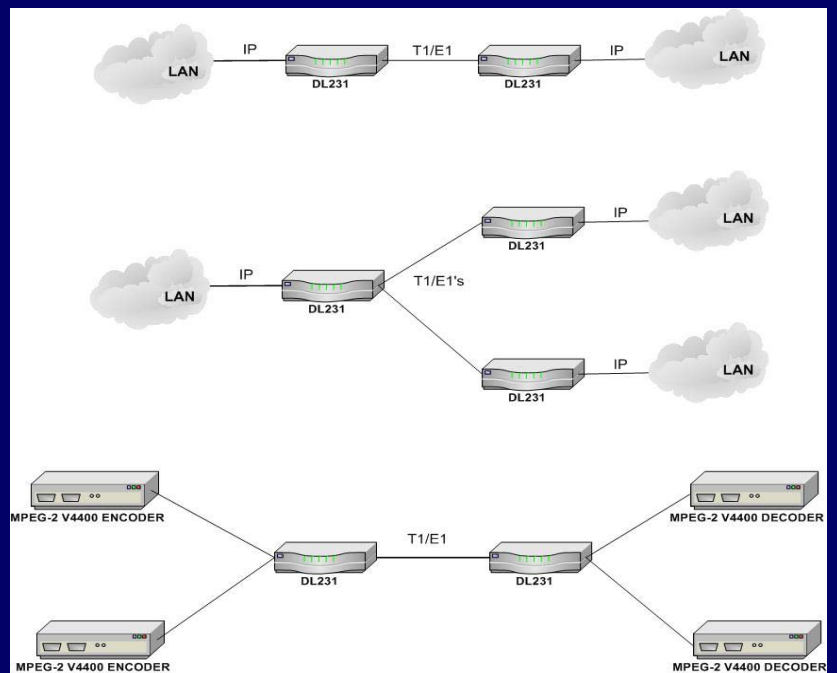
The DL231 is an IP WAN router. The main application is for connecting remote IP LAN's over T1 lines. This product has several unique features. For MPEG streaming video applications, there is built-in redundancy that automatically switches from primary MPEG encoder to a backup in case the primary unit fails. This is for critical broadcast applications. Two versions are available, DL231 with one T1 and the DL231B with two (2) T1 DSU/CSU's. A four port 10Base-T hub and 3 Megabits throughput. Both versions have SNMP management and can be accessed remotely via telnet.

### BENEFITS

- Converts IP Packets to T1 signals
- Transport of MPEG-2 Video over T1 lines

### FEATURES

- Two Versions available
- Remote Configuration
- SNMP Management



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# DL231 IP to T1 Router

## SPECIFICATIONS

### LAN Network Interface:

One (1) 10 Base-T Port (DL231)  
Two (2) 10 Base-T Port (DL231B)  
Four (4) 10 Base-T Port (DL231C)

### LAN Network Protocols Supported:

IP, TCP, UDP, RIP, ICMP, BOOTP  
IP Multicast support  
IP Video Stream Redundancy (Optional)  
AppleTalk (Configuration Only)

### WAN Network Protocols Supported:

PPP  
(RFC 1548, RFC 1332, RFC 1334, PAP)  
Frame Relay  
(ANSI ANNEX D, LMI, RFC 1420)

### T1/Fractional T1 Specifications:

Framing—ESF or D4  
Coding—B8ZS or AMI  
Support DS0 assignments from 1 to 24 (64 Kbps to 1.536 Mbps)

### Regulatory:

Safety —IEC60950 Third Edition (1999)  
CB Test Certificate  
EMC—EN55022:1994+A1&A2  
EN55024, ICES-003 1997  
CISPR 22 Level A  
Telecom Part 68  
CE

### Management:

Telnet support with Edit and Paste Templates  
Console Port for Out of Band Management  
SNMP support (MIB1, MIB11)  
Remote configuration, monitoring & reset

### Console Port:

RJ45

### Diagnostic:

Loopback Tests  
Network  
Internal  
Framer  
Payload  
Bert Tests

### General Characteristics

Power:	12-36 VDC, 1.0A International Adapters Available
Operating Temp:	0° to 50° C
Size:	rackmount 16.0" W x 12.0D x 1.75" H modular 9.0" L x 7.3" W x 1.5" H

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
DL231-X	IP WAN router/ one T1 port
DL231B-X	IP WAN router/ two T1 ports
DL231C-X	IP WAN router/ four T1 ports

### Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount



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