

Omniplexer® E1

VOICE/DATA DIGITAL MULTIPLEXER

DCM64 High Speed Data Modules

The DCM64 data module provides the interfaces you need to support all your high speed data requirements. Applications such as mainframe to mainframe computer communications, data file transfer and LAN data streams are supported.

Conforming to relevant CCITT Recommendations, the DCM64 high speed data module operates at 64 kbps synchronous, each channel occupies one time slot in the E1 30 channel system. Four data channels are carried on a single module. Several interfaces are available including V.35, RS422, RS449 and RS530, Co-Directional and Contra-Directional. Local and remote loopbacks are provided to aid in system set-up and diagnostics.

All configuration parameters are software selectable including time slot, internal/external clock, local/remote loopbacks and channel enable/disable. A VT-100 compatible terminal is used to configure the module.

ADVANTAGES

- 4 channels per module, reduces purchase costs and reduces spares requirements
- 5 electrical interfaces available to support all your applications
- Diagnostic loopbacks available for set-up and troubleshooting
- Self-check routine confirms operational status

APPLICATIONS

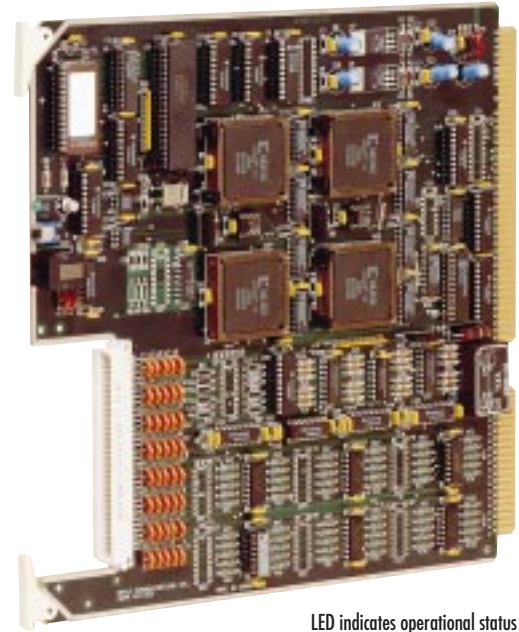
- Mainframe to mainframe computer communications
- High speed data file transfer
- LAN/WAN connectivity

BENEFITS

- Simplified installation as modules can be plugged into any Omniplexer card slot
- Multiple electrical interfaces support all your 64 kbps data applications



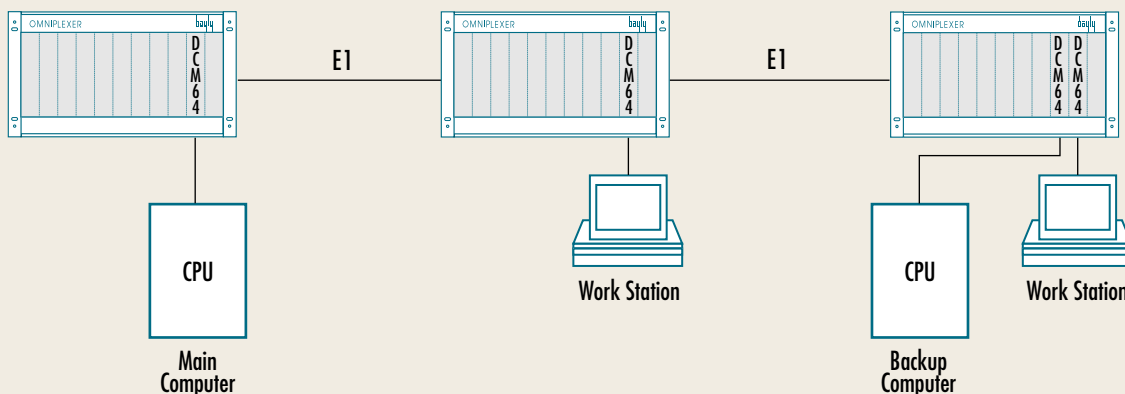
Loopbacks aid in set-up and diagnostics



LED indicates operational status and data activity

Several available interfaces to support your applications

DCM64 Synchronous Data Interface Applications



DCM64 High Speed Synchronous Data Module Specifications

Data Rate:	64 Kbps	Co-directional - DB-25 Connector
Clocking:	Synchronous Internal, slaved from E1 network Synchronous External, transmit clock loop-timed from receive clock by DTE	Contra-directional - DB-25 Connector
Electrical Interfaces:	V.35, per CCITT V.35 Recommendation RS422, per EIA RS422 Specifications Co-directional, per CCITT Rec G.703 Contra-directional, per CCITT Rec G.703	Handshakes: V.35: RTS, CTS, DSR, DTR RS442: RTS, CTS, DSR, DTR
Physical Interfaces:	V.35 - Block Connector RS449 - D-37 Connector RS530 - DB-25 Connector	Loopbacks: Local or Remote, activated from VT100 terminal Module Set-up: VT-100 compatible terminal via front panel RJ11 jack Environmental: Operating Temperature: 0° to +50° C Storage Temperature: -25° to +70° C Humidity: to 95% non-condensing

Module Types and Ordering Information

DCM64 modules for the E1 Omniplexer include:

- 4-channel 64 Kbps with V.35 interfaces.
Part number: 050 189
- 4-channel 64 Kbps with RS449/RS530 interfaces.
Part number: 050 190
- 4-channel 64 Kbps with Co-directional interfaces, DB25 connector.
Part number: 050 192
- 4-channel 64 Kbps with Contra-directional interfaces, DB25 connector.
Part number: 050 193
- Data interface cables are available, please contact Bayly Communications.

Data Interface Cables:

- V.35, 4 circuits.
Part number: 050 362
- RS449, 4 circuits.
Part number: 050 361
- RS530, 4 circuits.
Part number: 050 359
- Co-directional and Contra-directional, 4 circuits.
Part number: 050 360

For complete specifications, please contact Bayly Communications

**NETWORK ACCESS
AND TRANSMISSION
PRODUCTS**

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