



Digital Conversion Module (DCM)



FEATURES

- Single Slot AL3073 series module
- Encodes three encoded fiber inputs to three respective PCM data/clock outputs
- Single mode Receivers
- LC fiber optic connectors
- Operational within 10 seconds of power up

OVERVIEW

The 3201 Fiber Distribution Module (FDM) receives up to three sets of encoded fiber data from a compatible PCM to Fiber encoder and decodes the data to three independent data/clock pairs. These decoded signals are then transmitted out three independent PCM ports.

All three fiber-optic ports are Single mode receivers with LC connectors.

When being paired with a compatible card (such as the model 3101 or 3102), the data and clock are reconstructed with a delay of one data period + 60-70 nS.

The 3201 also drives three status signal LEDs on the front of the AL3073 chassis. Each LED corresponds to a data/clock input pair. Each LED status shows whether the fiber is present and if the data and clock are decoded. If data and clock are decoded from the fiber, the data will be output on its respective PCM port.

SPECIFICATIONS

General

- Single Slot AL3073 series module
- Three (3) fiber-optic inputs
- Three (3) PCM data/clock outputs

INPUT

- Three (3) fiber optic inputs
- Single mode fiber drivers
- LC fiber optic connectors

OUTPUT

- Serial TTL data and clock output
- PCM output rate from 100 bps to 32 Mbps
- DIN std connector [1.0/2.3]
- Each output drives up to 50Ω load
- Zero degree data/clock relationship

STATUS

- AL3073 chassis front panel LEDs
 - Data/clock present

ENVIRONMENTAL SPECIFICATIONS

- Non-Operating:
 - Temperature: 10° – 130° F
 - Humidity 5% - 90% non-condensing
- Operating:
 - Temperature: 50° - 100° F
 - Humidity: 15% to 70% non-condensing