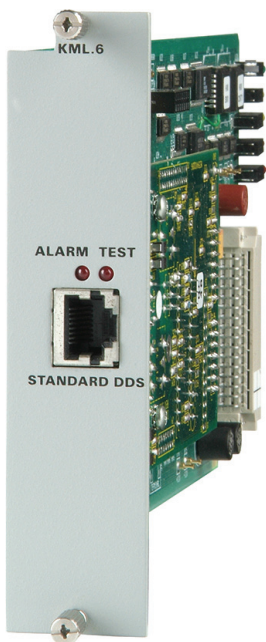


Kilomux-2100/2104

KML.6/N

Main Link CSU/DSU Interface



- Built-in CSU/DSU
- Connects the Kilomux-2100/2104 to a Standard DDS service
- Supports synchronous operation at data rates of 9.6, 19.2 and 56 kbps
- Meets AT&T PUB 62310 requirements
- Range up to 6.5 miles (10.5 km)

Integral short range modem over two twisted pairs, for campus environment

The KML.6/N Main Link CSU/DSU Interface connects the Kilomux-2100/2104 directly to a Standard DDS service. It supports link data rates of 9.6, 19.2 and 56 kbps.

Alternatively, the CSU/DSU interface can be used for local, campus applications. The built-in short-range modem supports distances of up to 6.5 miles (10.5 km).

The KML.6/N main link interface is compatible with AT&T PUB 62310: Standard Digital Data Service, Channel Interface specifications.

The mandatory CSU and non-latching DSU loopbacks are fully supported, allowing diagnostic and technical support by the service suppliers.

Alarms detected during operation are stored in an alarm buffer of the KCL.2. The buffer can store the following alarm types: loss of signal, out of service, out of frame, idle sequence, DSU and CSU loopbacks. The alarm LED on the panel indicates an alarm event.

Interface transmit timing can either be locked to receive timing or locked to the internal oscillator.

The Interface may be installed in a Kilomux-2100/2104 as either a single main link or together with another main link module, where applications require full redundancy or dual links.

Line connection is via an 8-pin RJ-45 connector.



data communications

The Access Company

KML.6/N

Main Link CSU/DSU Interface

Specifications

Interface

Compatible with AT&T PUB 62310

Connector

RJ-45, 8-pin

Data Rates

9.6, 19.2 and 56 kbps

Timing

Receive:

- Recovered from line signal

Transmit:

- Locked to receive timing
- Internal oscillator

Cable Attenuation

For line rates of 9.6 and 19.2 kbps:

Up to 40 dB

For line rate of 56 kbps:

Up to 49 dB

Range

(with AWG 24, 0.6 mm)

9.6 kbps: 10.5 km/6.5 miles

19.2 kbps: 8 km/5 miles

56 kbps: 6.5 km/4 miles

Transmit BPV sequence

Zero suppression

Receive BPV sequence

Out of service (OOS)

Out of frame (OOF)

DSU loopback

Diagnostics

CSU loopback (mandatory):

reversing polarity of sealing loop
current, implements loopback
in LIU

DSU loopback (non-latching):

per AT&T PUB 62310

Alarms

Loss of signal

Out of service

Out of frame

Idle sequence

DSU and CSU loopback

Indicators

TEST: CSU or DSU loopback

ALARM: OOS, OOF code or LOS (Loss of
signal)

Configuration

Programmable via the Kilomux
management system.

Ordering

KM-2000M-KML.6/N

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data communications

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