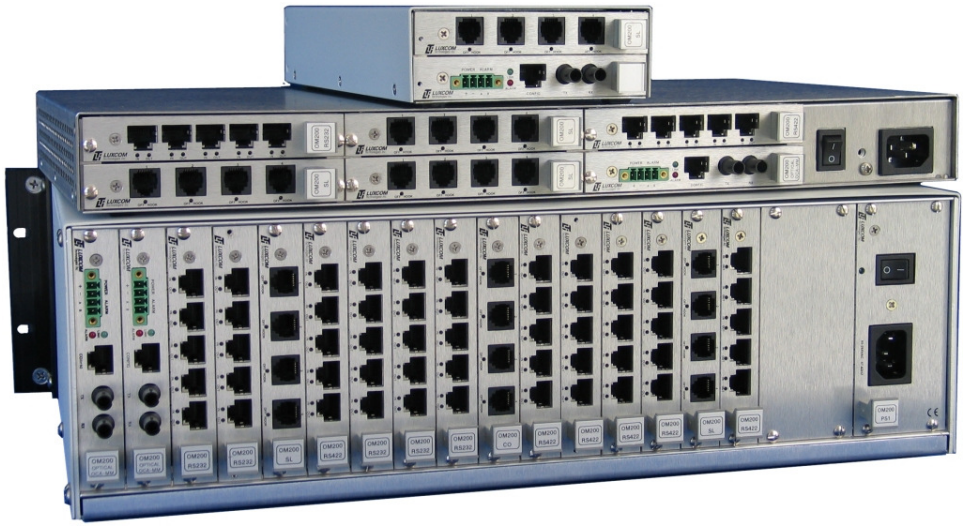
Analog 2-wire Interface
For OM200 SONET-OC3 Multiplexer



Chassis

- Chassis sizes of 2, 4, 6, and 16 slot.
- Optical data rate of 155Mbps
- Single or multimode fiber versions
- Point-to-point topology
- Add/drop topology
- Fiber protection ring switching

Interfaces

Telephony
- Subscriber Loop & CO
- Digital - MC300
- Digital – M3903/4
- T1 or E1

Data
- EIA530, RS232, V.35
- RS485/RS232 - Add/Drop
- RS232
- RS485
- Ethernet

Audio
- Analog 2-wire
- Analog 4-wire
- E&M
- Radio - Harris RF5800H

Other
- Contact sense/closure
- Alarm - chassis monitor
- Radar - video
- Optical SONET

General

Every chassis requires at least one *Optical SONET* card and one *Interface* card.
Full details can be found at: *www.luxcom.com/product/om200*

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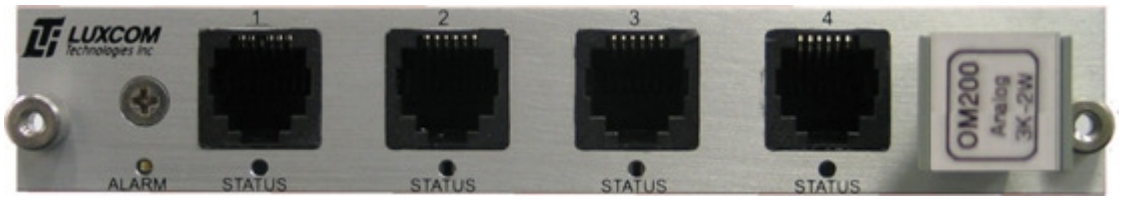
Interface: OM200-Analog-3K-2W (BW > 3 kHz, 2 wire)

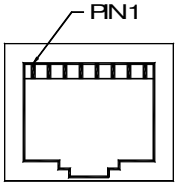


Description

This interface is used to create dedicated two-wire links for analog signals such as voice, FSK or DPSK. Once the communication channel with the remote card is setup, each of the four ports connects to the corresponding port on the remote card, and the link is always active. There are no DC or ringing voltages on the output,

I/O Ports

The interface cable connects to this interface through the RJ-11 connectors. The pin-out is shown in the following table.



Pin #	Function
1	No Connection
2	No Connection
3	TIP
4	RING
5	No Connection
6	No Connection

Indicators

ALARM On (red) indicates there is no connection with a remote partner, or a card failure.

STATUS is on when a link is established with the remote ASL card.

Specifications

System bandwidth used by this card	0.5%
Current used by this card	< 0.7 A
Power consumption	< 0.5 W
Operating temperature	-40C to +70C

Analog

Number of channels	4
Line Interface connectors	RJ-11
Input/Output impedance	600 ohms nominal
Analog bandwidth	200 Hz to 3.4 kHz
Analog input Level without significant distortion	3Vpp
Analog insertion gain	± 1 dB
Encoding	16 bit linear
Idle channel noise (C Message Weighted)	< 18 dBrnC
Idle channel noise (3 kHz flat)	< 25 dBrn
Tip/Ring “battery” voltage	0V

Ordering Information

Part number OM200-Analog-3K-2W

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