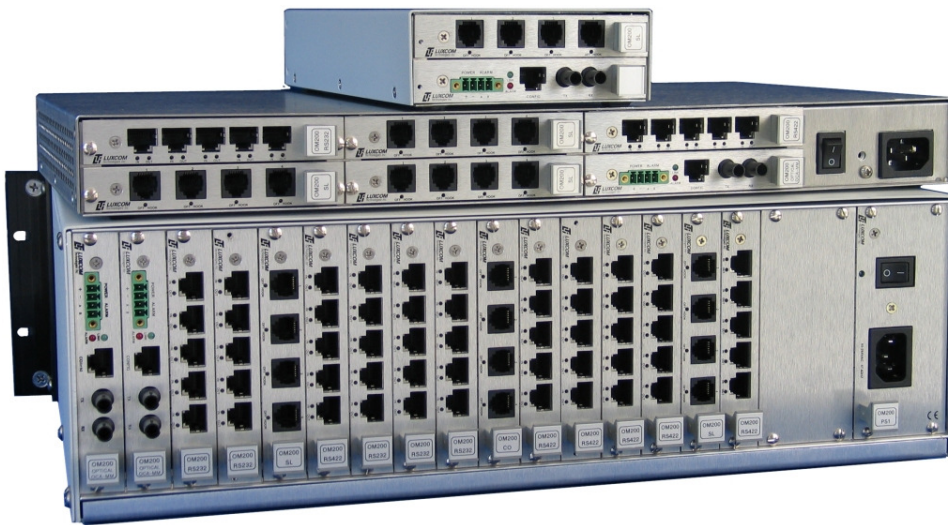


## Analog 2-wire Interface For OM200 SONET-OC3 Multiplexer



### 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](http://www.luxcom.com/product/om200)

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

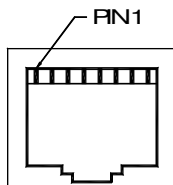


### Description

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 dBmC
Idle channel noise (3 kHz flat) .....	< 25 dBm
Tip/Ring "battery" voltage .....	0V

## Ordering Information

Part number OM200-Analog-3K-2W