



## Co-Directional 64K-V.35 Protocol Converter

OP-PC-64K-V.35



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## Overview

The G.703 (Co-Directional G.703) interface divides 64Kbps cycle into 4 unit intervals, it uses “0101” represent “0”, “1100” represent “1”. By alternating transformation polarity of the adjacent block, binary signals convert three-level signals. In every 8th group destroyed block of alternating polarity, thus to transmit 8KHz timing signal. By the above coding, G.703 co-directional 64Kbps signal could achieve transmitting the timing signal of 64KHz and 8KHz and 64KHz and the data signal of 64Kbit/s in the same direction with a pair balanced line.

64K-V.35/V.24 interface converter provides the physical layer conversion between ITU-T co-directional 64K G.703 standard E1 interface and standard V.35/V.24 interface. It provides secure and seamless connectivity for communication between different interface device in the network. The E1 channel timeslots of the transmission device are available for use. Device that needs to be transmitted data only be V35/V24 output. The data interface mode is DCE, which can be docked with the DTE or DCE device.

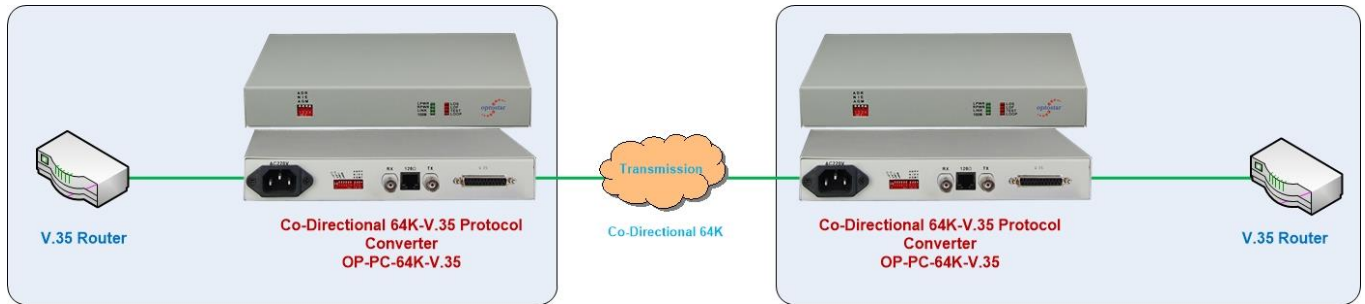
## Product Features

- Based on self -copyright IC
- Provide 2 clock types: Co-Directional G.703 master clock and G.703 line clock;
- Have two Loop Back Mode: G.703 interface Loop Back , V.35 interface Loop Back
- Have pseudo random code test function, easy the installation
- Support 120 Ohm balance;
- V.35 interface supports hot-plug
- Provide 3 clock types: Internal clock, External clock,E1 line clock;
- AC 220V, DC-48V, DC+24V, DC Power and Polarity-Free

**Technical Parameter**

<b>OP-PC-64K- V.35 Co-Directional 64K- V.35 Protocol Converter</b>	
<b>V.35/V.24 interface</b>	
Interface rate	64Kbps
Interface Standard	Compatible with V.35/V.24 standard
Connector	DB25
Connect Mode	DCE
Clock Type	G.703 internal clock, external clock
<b>Co-Directional G.703 Interface</b>	
Interface rate	64Kbps $\pm$ 50ppm;
Interface Standard	comply with protocol ITU-T G.703;
E1 Impedance	120 $\Omega$ (balance);
Jitter tolerance	In accord with protocol G.742 and G.823
Maximum Transmission Distance	up to 500m
<b>Dimension</b>	
Product Size	216X140X31mm(WXDXH)
Simple packaging	274X193X84mm(WXDXH)
Piece Weight	1.2KG
<b>Operation Environment</b>	
Operating temperature	0 $^{\circ}$ C~50 $^{\circ}$ C
Storing temperature	-40 $^{\circ}$ C~+70 $^{\circ}$ C
Relative humidity	95 %
No causticity and solvent, dust free, and no strong magnetic interference.	
<b>Power</b>	
Voltage	AC180V ~ 260V; DC -48V; DC +24V
Consumption	$\leq$ 10W
<b>Warranty</b>	2 Year Warranty, Life-time Maintenance

### Application



### Order Information

Model	Description
OP-PC-64K-V.35	Co-Directional 64K-V.35 Protocol Converter

### Package include

No	Package List
1	Co-Directional 64K-V.35 Protocol Converter
2	User Guide
3	Warranty Card

### Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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