

CuteLink Protocol Interface Converter

- *CL-C1300 Ethernet to V.35 Interface Converter*
- *CL-C1640 Ethernet to G.703 64K Protocol Converter*
- *CL-C2640 Rs232 to G.703 64K Protocol Converter*
- *CL-C2100 Rs232 to E1 Protocol Converter*
- *CL-C2350 Rs232 to V.35 Protocol Converter*
- *CL-C3640 V.35 to G.703 64K Protocol Converter*
- *CL-C2400 V.24 to E1 Protocol Converter*

CL-C1300 Ethernet to V.35 Interface Converter

Product Overview

CL-C1300 Protocol converter is a high-performance, self-learning distant - Ethernet Bridge with small size and low cost, which makes it suitable for cost-sensitive bridge connection. It can study MAC destination address from the connected LAN constantly and determine whether forward or filter according to destination Mac address of data frames. There are almost 10,000 addresses in the LAN table with auto-update function. When filtering and transmitting, the maximum rate for filtering and forwarding frame is 30,000 frames per second (line speed). Its buffer can accommodate 256 frames, and the throughput waiting capability is one frame. When used as stretcher or separator, it has two work statuses: filtering and filtering inhibition, which determines whether to transmit all the communications value in the vlan.



Device Feature

- Developed from the integrated circuit with our own property right.
- Can adjust the rate of V.35.
- V.35 interface as DTE interface has external and internal clock which are optional. When external clock is used, the rate is auto-negotiation.
- Offer local loop back function and loop back to distant port function.
- Have completed pseudo-random code testing function. Basic on the integrated circuit with our own proprietary property rights

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP

E1 interface:

Standard: ITU-T G.703, G.704

Frame structure: framing CCS (PCM31) / CAS (PCM30)

Rate: N*64Kbps (N=1~31) or 2.048Mbps

Impedance: 75Ω, physical interface BNC 、 120Ω, physical interface RJ45

Code: HDB3

Receiving level: 0~-43db

Clock: internal clock, external clock or recovered clock

V.35 interface:

Line code: HDB3

Data rate: N×64Kbps (N=1~32)

Available with CTS/RTS (Hardware) flow control function

Type of connector: M34 connector

Operating mode: DCE & DTE optional

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output 、
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0℃~50℃

Storage temperature: -20℃~80℃

Humidity: 5%~90% (free of condensate)

Context test real time: >99,9%, operating 24/24h

Application

CL-C1640 Ethernet to G.703 64K Protocol Converter

Product Overview

CL-C1640 can realize the electrical converting between G.703 64K and Ethernet. it is a high-performance, self-learning distant Ethernet bridge with small size and low cost, which makes it suitable for cost-sensitive bridge connection .It can study MAC destination address from the connected LAN constantly and determine whether forward or filter according to destination Mac address of data frames. There are almost 10,000 addresses in the LAN table with auto-update function. When filtering and transmitting, the maximum rate for filtering and forwarding frame is 30,000 frames per second (line speed). Its buffer can accommodate 256 frames, and the throughput waiting capability is one frame. When used as stretcher or seperator, it has two work statuses: filtering and filtering inhibition, which determines whether to transmit all the communications value in the vlan.



Device Feature

- Developed from the integrated circuit with our own property right.
- Offer two kinds of loop function: local loop back function and order the remote port to loop back function.
- Have pseudo code testing function.
- Easy to operate with all the setting in the panelts

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

Ethernet Interface

Standard: IEEE 802.3, 802.3u.10/100M electrical Port, MDI/MDIX auto negotiation, Half/full duplex

Qty: 1 RJ45 connector

G.703 64K E1

Compliant with ITU G.703 standard

Rate: 64Kbps,

Physical connector: RJ45

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output ,
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0°C~50°C
Storage temperature: -20°C~80°C
Humidity: 5%~90% (free of condensate)
Context test real time: >99,9%, operating 24/24h

Application**CL-C2640 Rs232 to G.703 64K Protocol Converter****Product Overview**

CL-C2640 converter the signal between RS232 serial interface and G.703-64k. Transmit the business from RS232 interface to 64K.

**Device Feature**

- Developed from the integrated circuit with our own property right.
- Offer two kinds of loop function: local loop back function and order the remote port to loop back function.
- Have pseudo code testing function.
- Easy to operate with all the setting in the panels

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

RS232 Interface

Rate: 64Kbps

Physical connector: DB9 female

G.703 64K E1

Compliant with ITU G.703 standard

Rate: 64Kbps,

Physical connector: RJ45

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output 、
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0℃~50℃

Storage temperature: -20℃~80℃

Humidity: 5%~90% (free of condensate)

Context test real time: >99,9%, operating 24/24h

Application



CL-C2100 Rs232 to E1 Protocol Converter

Product Overview

CL-C2100 converter the signal between RS232 and E1 interface. It can transmit the RS232 data at the rate of 120K by E1 interface.



Device Feature

- Developed from the integrated circuit with our own property right.
- E1 interface supports two kinds impedance of 120Ω balanced and 75Ωunbalanced
- Offer three timepieces: master, outside, slave
- Offer two loop functions: loop back to local port, loop back to remote port 6. Complete pseudo-random code testing function makes installing and adjusting more easily.
- Operate easily and all the setting can be done on the surface.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

RS232 Interface

Rate: 64Kbps

Physical connector: DB9 female

E1 interface

Data rate: N*64K(Framed)/2M(Unframed)

Code type: HDB3

Compliant with G.703, G.704, G.706 and G.823 75/120 BNC (75ohm)/RJ45 (120ohm)

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output ,
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

Context test real time: >99,9%, operating 24/24h

Application



CL-C2350 Rs232 to V.35 Protocol Converter

Product Overview

CL-C2350 converter the signal between RS232 and V.35 interface. It can transmit the RS232 data at the rate of 120K by V.35 interface.



Device Feature

- Developed from the integrated circuit with our own property right.
- V.35 interface is DTE interface.the clock is optional. When the external clock is used, the rate is auto negotiated.
- Offer two kinds of loop function: local loop back and loop back to remote port.
- Completed pseudo-random code testing function.
- Easy to operate with all the setting operated in the panel.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

RS232 Interface

Rate: 64Kbps

Physical connector: DB9 female

V.35 Interface

Compliant with V.35 standard

Rate: $n \times 64\text{Kbps}$, $n=1 \sim 32$

Physical connector: DB25 female jack DCE & DTE optional

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output ,
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

Context test real time: >99,9%, operating 24/24h

Application



CL-C3640 V.35 to G.703 64K Protocol Converter

Product Overview

CL-C3640 can realize the electrical converting between G703 and V.35 Interface. It can operate at rate of 64k full duplex. The data interface mode is DCE and can connect with DTE\DCE data device.



Device Feature

- Developed from the integrated circuit with our own property right.
- E1 interface supports two kinds of impedance: 120 ohm balanced and 75 ohm unbalanced.
- Offer three kinds of clock: master, external, and slave.
- Offer two kinds of loop function: local loop back and loop back to remote port.
- Completed pseudo-random code testing function.
- Easy to operate with all the setting operated in the panel.

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

G.703 64K E1

Compliant with ITU G.703 standard

Rate: 64Kbps,

Physical connector: RJ45

V.35 Interface

Compliant with V.35 standard

Rate: $n \times 64\text{Kbps}$, $n=1 \sim 32$

Physical connector: DB25 female jack DCE & DTE optional

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output 、
-36V~-72V DC input, 5V/2A output

Other Specification:

- Operating temperature: 0°C ~ 50°C
- Storage temperature: -20°C ~ 80°C
- Humidity: 5% ~ 90% (free of condensate)
- Context test real time: >99,9%, operating 24/24h

Application



CL-C2400 V.24 to E1 Protocol Converter

Product Overview

CL-C2400 converter the signal between V.24 and E1 interface. It can transmit the V.24 data at the rate of 120K by E1 interface.



Device Feature

- Developed from the integrated circuit with our own property right.
- E1 interface supports two kinds impedance of 120Ω balanced and 75Ω unbalanced
- Offer three timepieces: master, outside, slave
- Offer two loop functions: loop back to local port, loop back to remote port 6. Complete pseudo-random code testing function makes installing and adjusting more easily.
- Operate easily and all the setting can be done on the surface

Specification

Protocol: G.703, G.704, G.736, G.823, I.431, SNMP, IEEE 802.3, 802.3u.

V.24 Interface

Rate: 64Kbps

Physical connector: DB25 female

E1 interface

Data rate: N*64K(Framed)/2M(Unframed)

Code type: HDB3

Compliant with G.703, G.704, G.706 and G.823 75/120 BNC (75ohm)/RJ45 (120ohm)

Structure:

Standalone: 140mm (depth) x 210mm(width) x 42mm(height)

Rack mount: 19" 4.5U standard casing

Power supply:

Standalone: 85V~264V AC input, 5V/2A output ,
-36V~-72V DC input, 5V/2A output

Other Specification:

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

Contex test real time: >99,9%, operating 24/24h

Application



Model

Model	Description
CL-C1300	Ethernet to V.35 Interface Converter
CL-C1640	Ethernet to G.703 64K Protocol Converter
CL-C2640	Rs232 to G.703 64K Protocol Converter
CL-C2100	Rs232 to E1 Protocol Converter
CL-C2350	Rs232 to V.35 Protocol Converter
CL-C3640	V.35 to G.703 64K Protocol Converter
CL-C2400	V.24 to E1 Protocol Converter