



# Fiber Solution

# Application



If the distance is longer than 100 m?

# Application



Fiber Converter

# Fiber Solution

1.25G Fiber

CVT310

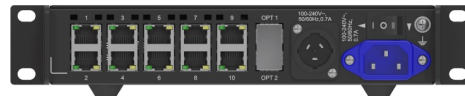


CVT320



10G Fiber

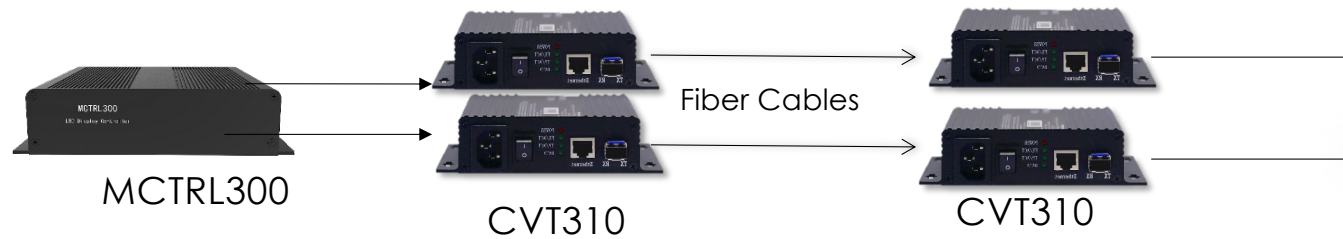
CVT10



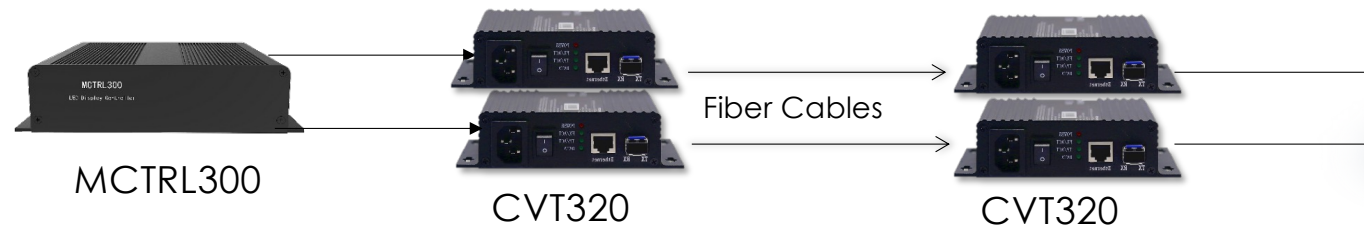
CVT4K



# 1.25G Fiber Converters



**CVT310, Multimode, up to 300M**



**CVT320, Single mode, up to 10kM**



# 1.25G Converter Summary

| Model  | Mode        | Transmission Distance | Interface Type | Fiber Module    |
|--------|-------------|-----------------------|----------------|-----------------|
| CVT310 | Multi-mode  | Up to 300m            | LC             | SFP-MM8524-S5DC |
| CVT320 | Single-mode | Up to 10km            |                | SFP-SM3124-L2DC |

# Fiber Solution

1.25G Fiber

CVT310



CVT320

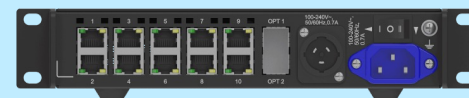


10G Fiber

CVT4K



CVT10



# 10G Fiber Converter

CVT4K

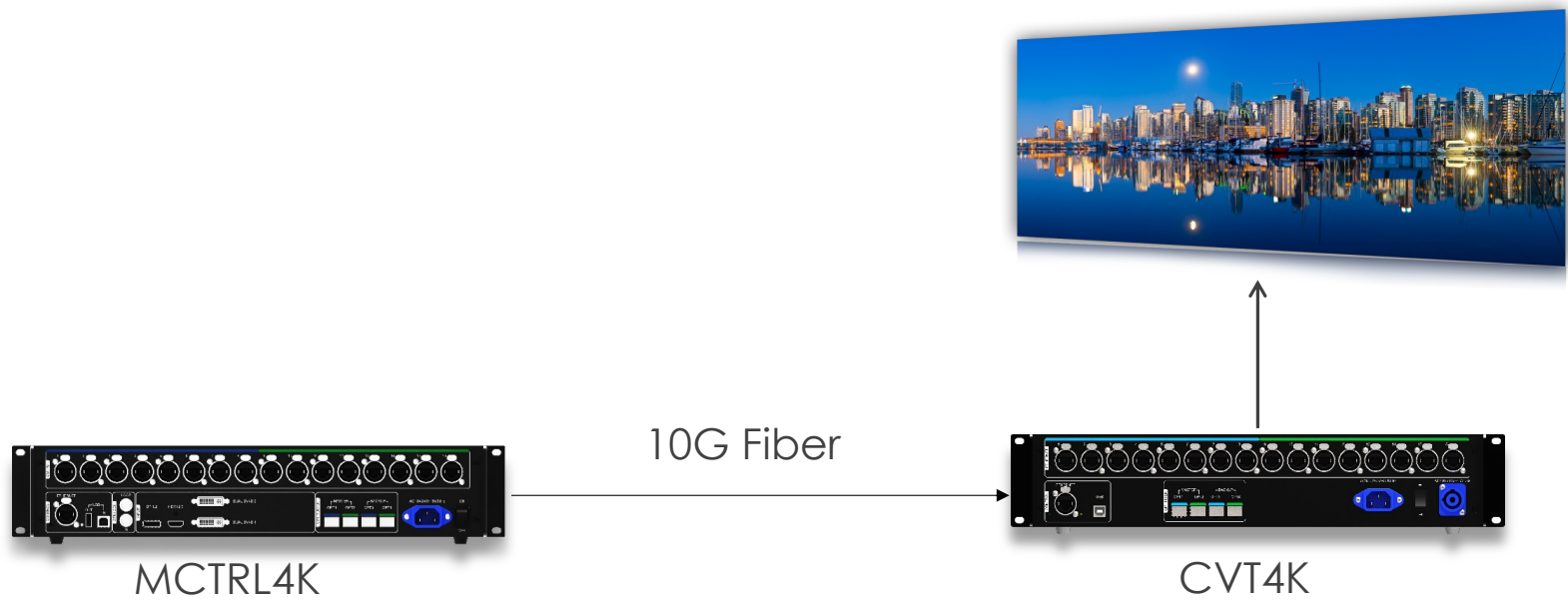
- EtherCON
- PowerCON
- Fiber back up
- Hot swap

Each OPT handles **8** Ethernet ports



# 10G Fiber Converter

CVT4K





# CVT4K Options

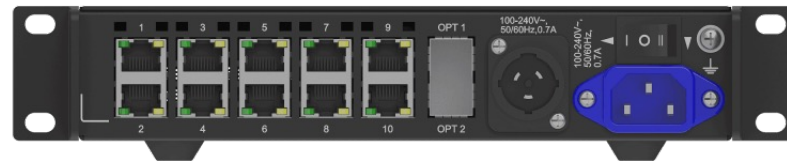
| Model   | Mode        | Transmission distance | Fiber Ports                        | Ethernet Ports | Interface Type | Fiber Module     |
|---------|-------------|-----------------------|------------------------------------|----------------|----------------|------------------|
| CVT4K-M | Multi-mode  | Up to 300m            | 4<br>2 for Primary<br>2 for backup | 16<br>EtherCON | LC             | 10G SFP-Module-M |
| CVT4K-S | Single-mode | Up to 10km            |                                    |                |                | 10G SFP-Module-S |

# 10G Fiber Converter

CVT10

- Back up supported
- PowerCON
- RJ45 Status Indicator
- Hot swap

Each OPT handles up to **10** Ethernet ports



# 10G Fiber Converter

## CVT10 Pro

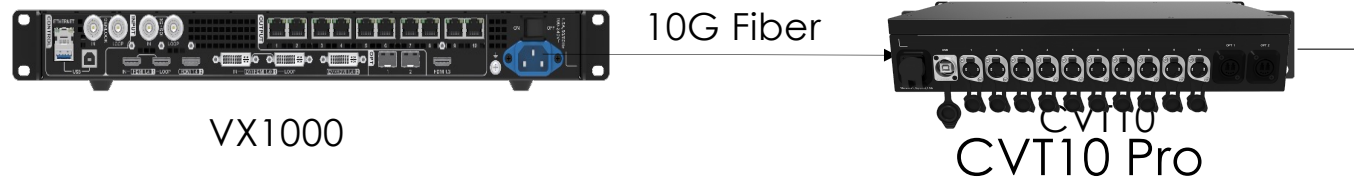
- Back up supported
- PowerCON
- Neutrik Ports
- Hot swap
- IP65 Waterproof

Each OPT handles up to **10** Ethernet ports



# 10G Fiber Converter

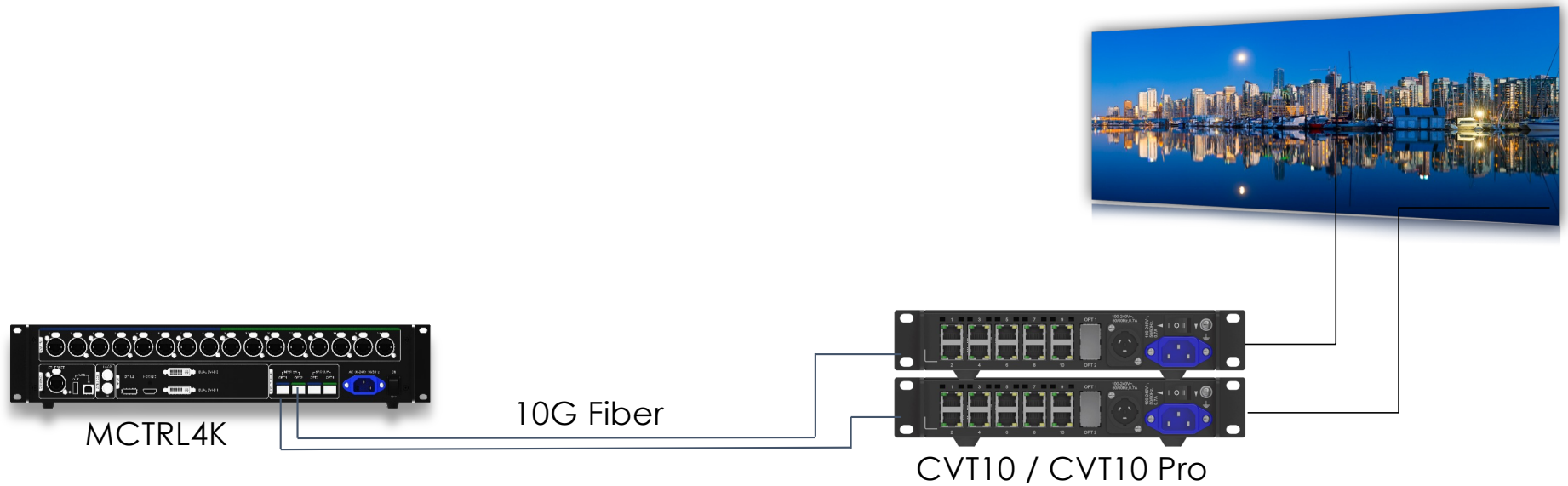
## CVT10 / CVT10 Pro



Each = **10** Ethernet ports

# 10G Fiber Converter

## CVT10 / CVT10 Pro

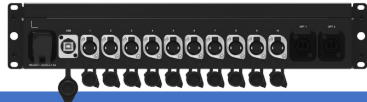


Each OPT= **8** Ethernet ports

## CVT10 / CVT10 Pro Options

| Model                  | Mode        | Transmission distance | Fiber Ports                        | Ethernet Ports | Interface Type | Fiber Module     |
|------------------------|-------------|-----------------------|------------------------------------|----------------|----------------|------------------|
| CVT10 /<br>CVT10 Pro-M | Multi-mode  | Up to 300m            | 2<br>1 for Primary<br>1 for backup | 10             | LC             | 10G SFP-Module-M |
| CVT10 /<br>CVT10 Pro-S | Single-mode | Up to 10km            |                                    |                |                | 10G SFP-Module-S |

# 10G Converter Comparison



|                              | CVT10 Pro                        | CVT10                            | CVT4K                           |
|------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>Processing Ability</b>    | 1 OPT handles 10 Ethernet Signal | 1 OPT handles 10 Ethernet Signal | 1 OPT handles 8 Ethernet        |
| <b>Single/ Multi Mode</b>    | Yes, both available              | Yes, both available              | Yes, both available             |
| <b>Fiber Ports</b>           | 2 (1 for primary, 1 for backup)  | 2 (1 for primary, 1 for backup)  | 4 (2 for primary, 2 for backup) |
| <b>Ethernet Ports</b>        | 10                               | 10                               | 16                              |
| <b>Neutrik Ports</b>         | Yes                              | N/A                              | Yes                             |
| <b>RJ45 Status Indicator</b> | N/A                              | Yes                              | N/A                             |
| <b>Hot Swap</b>              | Yes                              | Yes                              | Yes                             |
| <b>PowerCON</b>              | Yes                              | Yes                              | Yes                             |
| <b>3-Pin Power Socket</b>    | Yes                              | Yes                              | Yes                             |
| <b>Physical Size</b>         | 2U (500 × 386 × 96mm)            | 1U (254.3× 290× 50.1mm)          | 2U (500 × 386 × 96mm)           |
| <b>Waterproof</b>            | Yes                              | N/A                              | N/A                             |

## Selection Guide

| Controller Model                                           | Fiber Converter Suggestion       |
|------------------------------------------------------------|----------------------------------|
| VX4S-N, VX6S, VX600<br>MCTR300, MCTRL660                   | CVT310/ 320<br>CVT10 / CVT10 Pro |
| MCTRL4K, Nova Pro UHD JR<br>H series (16xRJ45 Sender card) | CVT4K / CVT10 / CVT10 Pro        |
| VX1000<br>H Series (20 x RJ45 Sender Card)                 | CVT10 / CVT10 Pro                |

# Selection Guide

Controllers designed with OPT slots



MCTRL4K



MCTRL R5



MCTR660Pro



NovaPro UHD Jr



VX1000



VX600



H\_16xRJ45 + 2 OPT  
output card

SFP modules & fiber converters work in pair

# Selection Guide

Controllers with no OPT slots



VX4S-N



VX6S



VX16S



MCTR300



MCTR660



H\_20xRJ45 sender card

Pairs of converters are needed

# Selection Guide

## Controllers with dual modes

MCTR660Pro



VX1000



Dual modes  
Controller / fiber converter

# Fiber Solution

1.25G Fiber

CVT310



CVT320



10G Fiber

CVT10



CVT10 Pro



CVT4K



THANK YOU  
**NOVA** *STAR*  
FOR YOUR TIME