

- CATx/CATx support
- CATx/Multimode support
- CATx/Singlemode support
- Singlemode/Multimode support

Repeater (Cross Repeater)



REPEATER TO DOULE THE TOTAL
ALLOWED CABLE LENGTH
OR. CONVERTING OF CABLE
TYPES



REPEATER

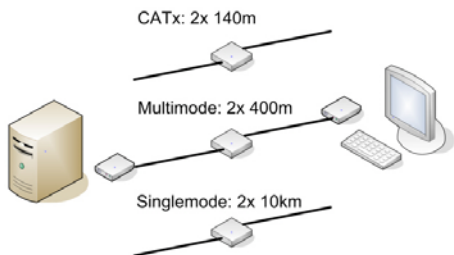
(Cross Repeater)

Input Interface	CATx, Multimode, Singlemode – depending on device
Output Interface	CATx, Multimode, Singlemode – depending on device
Distances	CATx up to 2x 140m = 280m Multimode 62,5µ up to 2x 200m = 400m Multimode 50µ up to 2x 400m = 800m Singlemode 9µ up to 2x 10.000m = 20km
Power	universal switch mode p.s.u. (90-240V Input)
Dimensions	80 x 110 x 29 mm desk top

Doubling the total allowed cable length or converting of cable types

Repeater

When installing the Repeater device in the middle of a link, it will allow to double the total distance. (e.g. CATx up to 2x140m = 280m). Under all other circumstances, the cable on each side of the Repeater/Cross- Repeater may have the usual maximum distance (e.g. CATx up to 140m, Multimode 50µ up to 400m, ...).



Installation

A KVM Extender is used, to extend the distance between a CPU and its Keyboard / Monitor / Mouse considerably. The allowed distance is limited by the physics and the make of the cables.

If the total distance expires the allowed distance, Repeater may double the total allowed distance.

In some environments, the signal path may be inhomogeneous. This means, a part might be based on CATx, another part in Multimode. The Cross- Repeater hereby allow to convert from one medium to another, without laborious regaining the original signals and resending them.

The Repeater/Cross- Repeater are especially designed for the DVXi KVM Extender Family. Operation with other products is not possible.

Highlights

- *Doubling the total allowed cable length:*

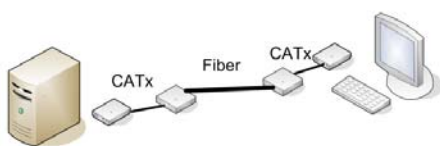
CATx up to 2x 140m = 280m
Multimode 62,5µ up to 2x 200m = 400m
Multimode 50µ up to 2x 400m = 800m
Singlemode 9µ up to 2x 10.000m = 20km
- *Converting from:*

CATx <-> Multimode
CATx <-> Singlemode
Multimode <-> Singlemode
- *NO picture degradation and NO frame delay*

Cross Repeater

When installing a Cross- Repeater device, the cable on each side of the Repeater/Cross- Repeater may have the usual maximum distance (e.g. CATx up to 140m, Multimode 50µ up to 400m, ...).

Attention!
actually DVXi CATx and Fiber devices must not be used assorted. This means, it's not allowed, to connect a DVXi CATx Local Unit with a DVXi Fiber Remote Unit. So actually Cross- Repeater can be used only in pairs.



Cross- Repeater Application

