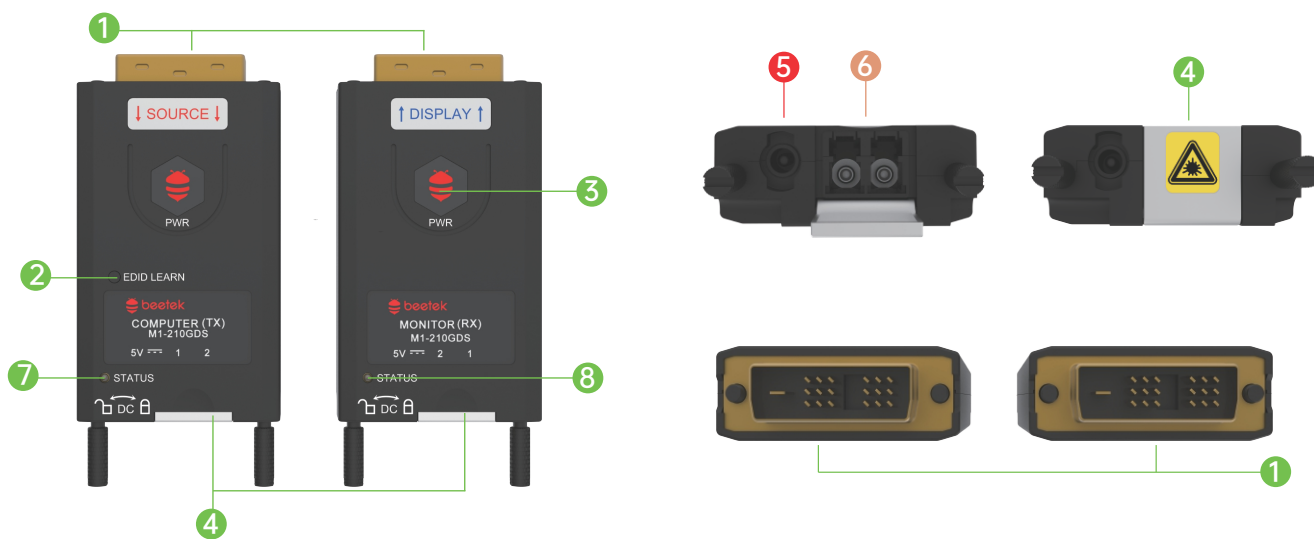# M1-210GDS

2-core Single-mode DVI Fiber Extender

Product number:1.05

Summary

M1-210GDS is an uncompressed, zero-frame-delay DVI single-mode fiber optic extender with a compact design and convenient use. The product usestwo-core LC interfaces with single-mode fiber which can transmit a lossless DVI signal up to 2000 meters, and supports a maximum resolution of 1920*1080@60Hz 4:4:4. Built-in EDID transmission and external EDID learning button make it suitable for many professional audio and video applications.

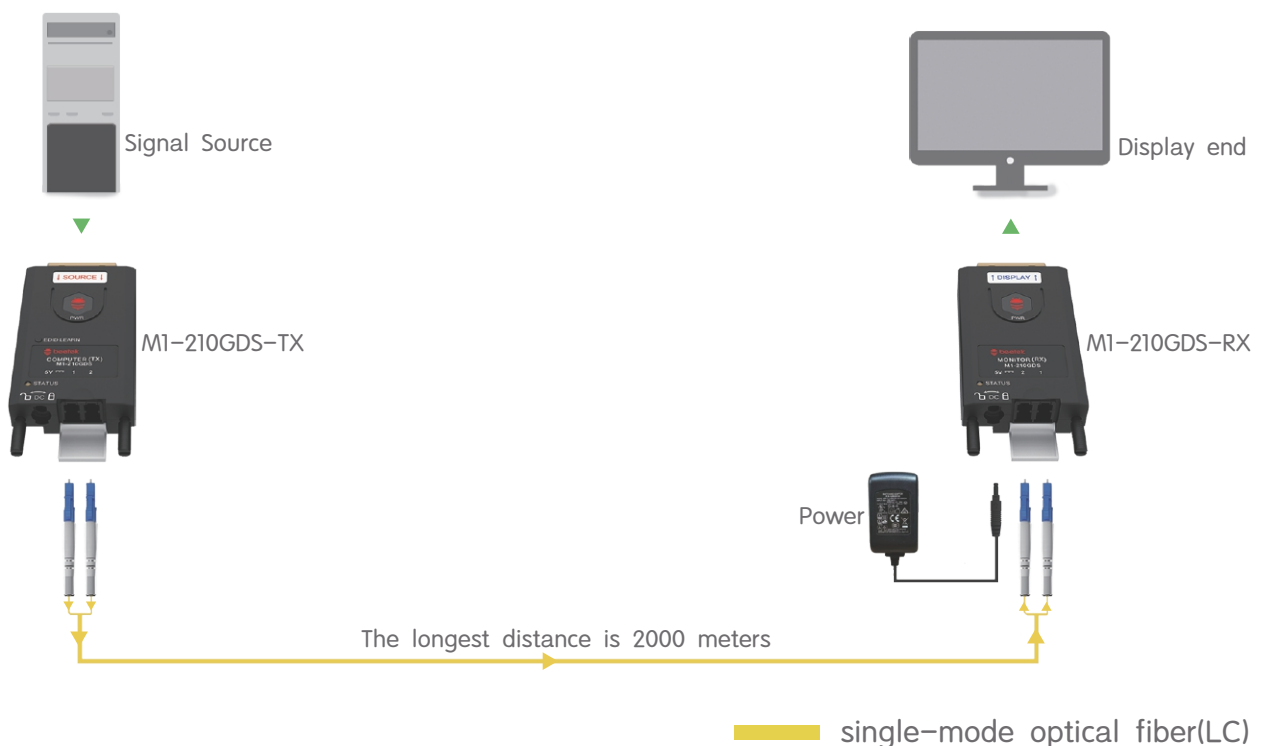EDID LEARNING   DVI SL   Zero frame delay   uncompressed

Product view

number	name	number	name
❶	DVI 18+1(M)	❺	DC 5V power port
❷	EDID Learning button	❻	LC fiber interface
❸	POWER Red LED	❼	EDID learning light
❹	Dust cover	❽	Signal light

Technical characteristics

✦ Mini-style two-core single-mode DVI fiber extender.

✦ Lossless video extension without compression and zero-frame delay, 100% restoration of source signal.

✦ The transmission rate is 4.95Gbps, and the maximum support is 1920*1080@60Hz.

✦ Single-mode G657.A1 optical fiber with two-core LC connector can transmit up to 2000 meters.

✦ With its Mini-style design,it can plug and play directly to the signal source or display end.

✦ Reliable connection is ensured with locking power supplies and dust-proof fiber interface latches.

✦ To solve the pain-point of power supply, the transmitter can take power, and there is also an optional USB power supply cable provided.

✦ Built-in EDID transmission and an EDID learning mode make the product suitable for various applications.

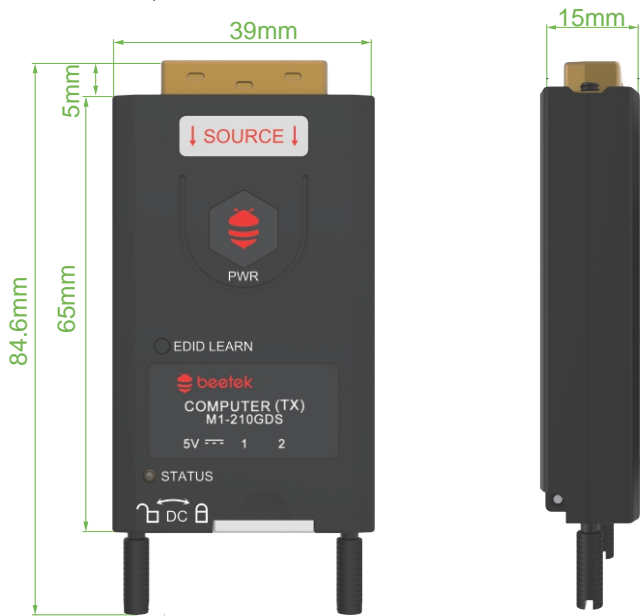✦ 15 μ high-quality gold-plated DVI pins support more than 5000 times of repeated plugging and unplugging.

Application view

Signal Source

Display end

M1-210GDS-TX

M1-210GDS-RX

Power

The longest distance is 2000 meters

single-mode optical fiber(LC)

Product parameter

name	parameter
Input Interface	TX: DVI 18+1 Male RX: 2-core LC
Output Interface	TX: 2-core LC RX: DVI 18+1 Male
Rear Long Screw	Yes
Gold plate Interface	Casing: 3μ; Pin: 15μ
Fiber Interface Dust Prevention	Yes
Fiber Type	Single-modeG657.A1
Indicator LED	TX: Power, EDID; RX: Power, Signal
USB Power	Yes
Power from Interface (TX)	Yes
Locking power Interface	Yes
Power Consumption	DC 5V 1.0A
Ambient Temp	-20℃~70℃
Material	Zinc alloy mold
EDID Switch (TX)	Learn button
EDID Modes	EDID Learning and Internal
HDMI Audio	Yes
XvYCC Color Space	Yes
Fiber module life	100,000 hours
Optical Module	4 * 2.5G Single-mode Optical Module
Technical Characteristics	Two-channel two-wave using CWDM Technology
Resolution	1920*1080@60Hz
Transmission Distance	Single-mode: 2000M; Multi-mode OM3: 500M
Clock Bandwidth	165MHz * 3
Transmission Speed	4.95Gbps
Balancing Chip	Automatic equalization
Reclocking	Yes
ESD Protection	Yes
Hot Plug	Yes
Delay	Zero-frame
Compression	None
Sampling Rate	Bandwidth Range: 8bit
Sampling Ratio	RGB 4:4:4、YUV4:4:4、YUV4:2:2、YUV4:2:0

Dimensional drawing

- Product size   TX\RX：85 *39 *15mm
- Product weight   TX：98g； RX：97g
- Package size   212 *201* 62mm
- Packing weight   0.52kg