



M1-110GDM

One-core Multi-mode DVI Fiber Extender

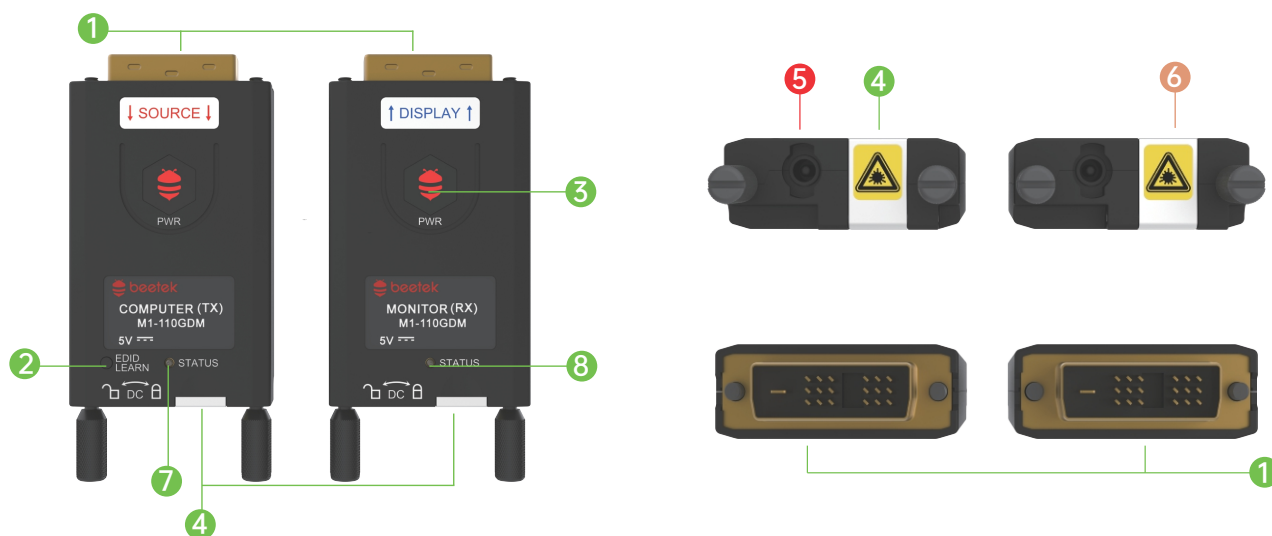
Product number:1.04

Summary

M1-110GDM is an uncompressed, zero-frame-delay DVI multi-mode fiber optic extender with a compact design and convenient use. The product uses one-core LC interface with multi-mode OM3 fiber which can transmit a lossless DVI or HDMI 1.4 signal up to 500 meters, and supports a maximum resolution of 3840*2160@30Hz 4:4:4. With a large optical aperture of 50µm of multi-mode fiber, the optical signal transmission is more stable. Built-in EDID transmission and external EDID learning button make it suitable for many professional audio and video applications.



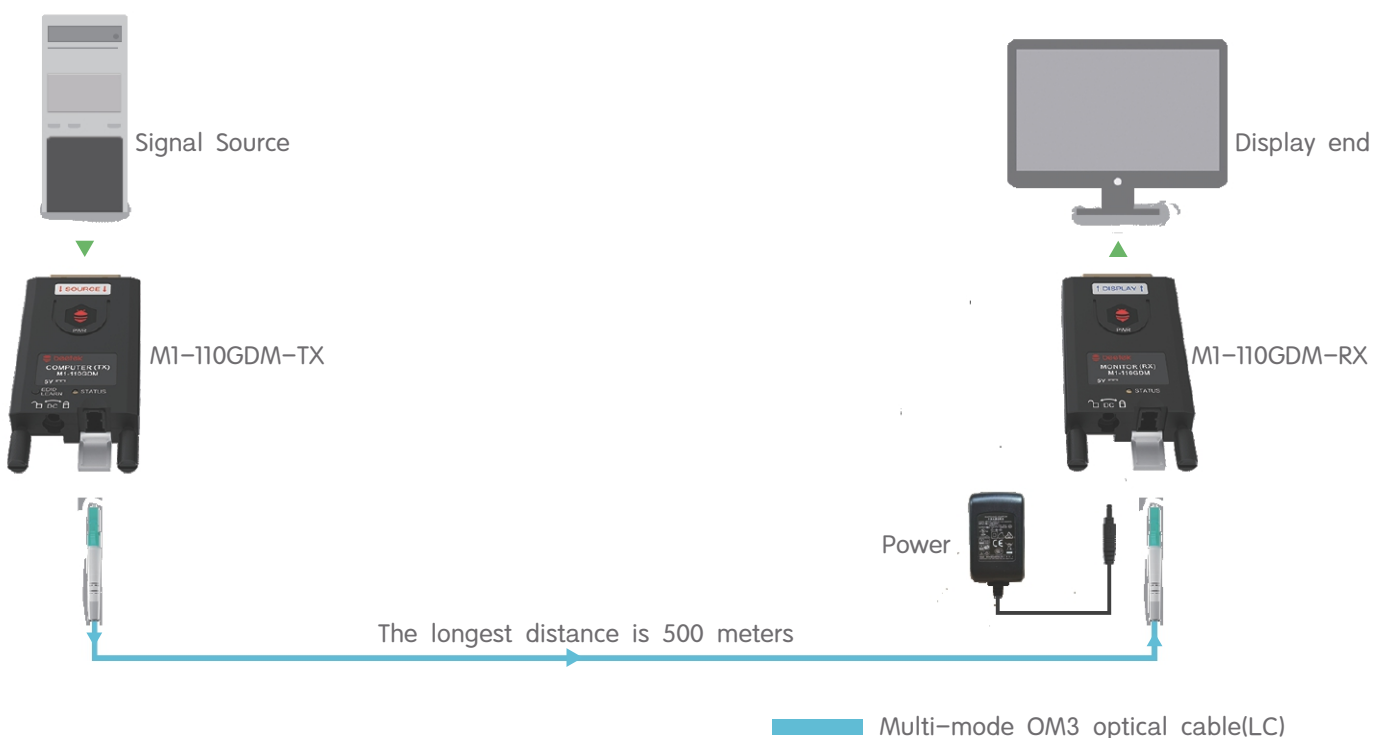
Product view



number	name	number	name
1	DVI 18+1(M)	5	DC 5V power port
2	EDID Learning button	6	LC fiber interface
3	POWER Red LED	7	EDID learning LED
4	Dust cover	8	Signal light

Technical characteristics

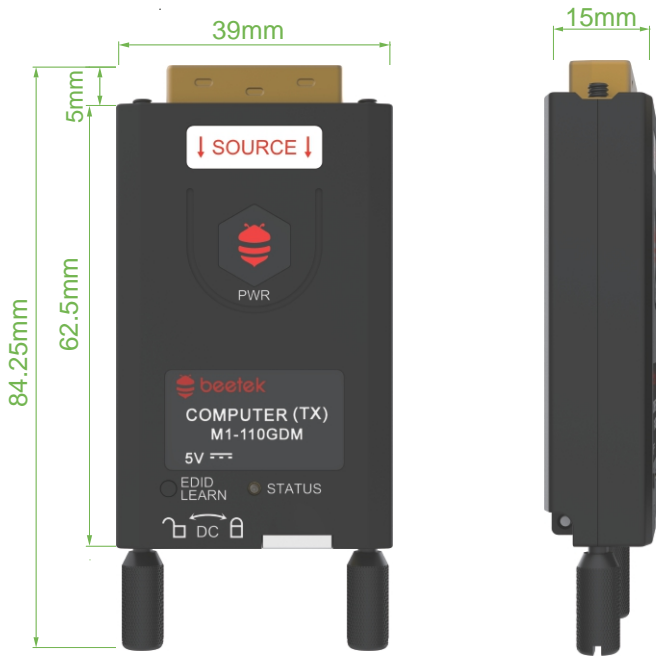
- ◆ Mini-style one-core multi-mode DVI optical fiber extender.
- ◆ Lossless video extension without compression and zero-frame delay, 100% restoration of source signal.
- ◆ The transmission rate is 10.2Gbps and supports up to 3840*2160@30Hz.
- ◆ Multi-mode OM3 fiber with one-core LC connector can transmit up to 500 meters.
- ◆ With its Mini-style design, it can plug and play directly to the signal source or display end.
- ◆ Supports signal equalization on the transmitter end and accurate pixel reclocking on the receiving end, providing stable transmission.
- ◆ 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 mode 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.



Product parameter

name	parameter
Input Interface	TX: DVI 18+1 Male RX: One-core LC
Output Interface	TX:One-core LC RX: DVI 18+1 Male
Rear Long Screw	Yes
Gold plate Interface	Casing: 3 μ ; Pin: 15 μ
Fiber Interface Dust Prevention	Yes
Fiber Type	Multi-mode OM3
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 $^{\circ}$ C ~70 $^{\circ}$ C
Material	Zinc alloy mold
EDID Switch (TX)	Learn button
EDID Modes	EDID Learning and Internal
HDMI Audio	Yes
3D	Yes
XvYCC Color Space	Yes
Fiber module life	100,000 hours
Optical Module	1 * 12G Multi-mode Optical Module
Technical Characteristics	Circuit Multiplexing SerDes Technology
Resolution	3840x2160@30Hz
Transmission Distance	500M
Clock Bandwidth	340MHz * 3
Transmission Speed	10.2Gbps
Balancing Chip	Automatic equalization
Reclocking	Yes
Precise pixel Reclocking	Yes
ESD Protection	Yes
Hot Plug	Yes
Delay	Zero-frame
Compression	None
Sampling Rate	Bandwidth Range: 8~16bit
Sampling Ratio	RGB 4:4:4, YUV4:4:4, YUV4:2:2, YUV4:2:0

Dimensional drawing



- Product size TX\RX: 84 *39 *15mm
- Product weight TX: 91g; RX: 91g
- Package size 212 *201* 62mm
- Packing weight 0.51kg