



Product introduction

HDMI signal over fiber extender is composed of transmitter (TX) and receiver (RX), and transmits HDMI video through a single-mode optical fiber. Optical fiber transmission can avoid poor output signal, easy interference, blur, tailing, color separation and other phenomena on the displayed image. The transmission distance of HDMI optical terminal can reach 120 kilometers. HDMI over fiber extender has the advantages of small attenuation, wide bandwidth, strong anti-interference performance, high safety performance, small size, light weight, etc., so it has incomparable advantages in long-distance transmission and special environments. The application of HDMI optical terminal equipment in multimedia systems can save construction costs and wiring complexity, and ensure high quality.

Product feature

- Transmit HDMI video audio signal up to 20KM (default) distance over single-mode fiber cable; 500 meters over multi-mode fiber
- Support video resolution up to 1080P@60Hz
- Compliance with HDMI1.4 standard
- Offer one RJ45 Ethernet port for connect device such as router, IP camera, network switch and etc.
- Ethernet standards IEEE802.3,1000Base-TX, 1000Base-FX, IEEE 802.3, IEEE 802.3U, IEEE 802.3X
- Support full-duplex flow control or half-duplex back pressure flow control
- Supports 10/100/1000BASE-T auto-negotiation and auto-MDI/MDI-X
- Simple to install, plug and play
- Installation method: desktop, wall mount
- After-sales service is complete, providing up to three years of quality assurance and maintenance services

Packing list

- PIN-HD101-GE
- Power adapter
- User manual & warranty card

Application

- Urban Intelligent Traffic Monitoring System (ITS)
- Tunnel communication intercom and monitoring system
- Remote multimedia teaching/campus monitoring
- Video and telephone conference transmission system
- Security monitoring system for large factories and mines
- Long distance radio and television transmission system
- Building video intercom control system
- Highway monitoring/communication system
- Integrated wiring system
- Community intelligent monitoring system
- Military communications
- Electrical/Hydraulic Safety Monitoring System

Fiber interface

Fiber port: 1

Type: Single mode/Multi-mode

Fiber interface: FC/SC

Wavelength: 850nm/1310nm Multi-mode; 1310nm/1550nm Single-mode

Transmission distance: 0~120Km

10/100/1000Mbps Ethernet port

Physical interface: RJ-45 port

Data rate: 10/100/1000Mbps

Support protocol: IEEE 802.3 100Base-TX, 10/100/1000M Ethernet standard

Communication working mode: full duplex or half duplex

Support AUTO-MDIX (cross line straight line adaptive)

Environmental requirements

Operation temperature: 0 °C ~ +50 °C

Storage temperature: -10°C ~+65°C

Relative humidity: 0~95% (no condensation)

Power supply : DC5V (AC110~240V)

Specifications

Model	PIN-HD101-GE
Product	HDMI with Ethernet port over fiber optic extender
Fixed port	1*SC/FC fiber optic interface 1*HDMI 1*Gigabit RJ45
Reset button	1
Data speed	10/100/1000Mbps
Standard	IEEE802.3 (10BASE-T) IEEE802.3u (100BASE-TX) IEEE802.3u (100BASE-FX) IEEE 802.3x
PoE	No
Auto MDIX	Yes
Fiber Operating Mode	Half/Full-Duplex
Wavelength	Multi-mode: 850nm, 1310nm Single mode:1310/1550nm or 1550/1310nm
Transmission Distance	Single mode: 20~120KM Multi-mode: 500meters ~ 2KM
LED indicator	Fiber: Fiber link PWR: Power Data: HDMI signal link
Power supply	DC5V (AC110~240V)
Operating temperature/Humidity	0~+50°C; 10%~90% RH non-condensing
Storage temperature/Humidity	-10~+65°C; 10%~90%RH non-condensing
Product size (L*W*H)	160*100*25mm
Installation	Desktop/ wall mount installation
Casing	Metal
Warranty	Whole device for 1 year (Accessories not included)