



# 4K HDMI FIBER OPTIC EXTENDER

---

MODEL: TW4KHD-A100

Preliminary Version Only

# 1

## Overview



The **TW4KHD-A100** Fiber optic extender provides extension of HDMI and 3D signals long distances over one fiber optic cable, it supports high resolution up to **3840\*2160/30P**. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

## 2 Features

---



- Transmits HDMI video signals up to 2km-60km over one fiber optic cable;
- Support video resolution up to **3840\*2160@30Hz**, 3D signal.
- Compliance with **HDMI 1.4 and HDCP 1.2** standard.
- High compatibility, can auto-match source and display device.
- Built-in automatic adjustment system, make the image smooth, clear and stable.
- Built in ESD protection system.
- Simple to install, plug and play.

# 3 Specifications

Parameter		Description
Video	Standards	HDMI 1.4; HDCP 1.2
	Maximum pixel clock	340MHz
	Maximum data rate	10.2Gbps
	Resolution range	Up to 3840*2160@30Hz
	Connector	Female HDMI type A
	Impedance	100Ω
Optical fiber	Interface	SFP model – LC connector
	Fiber type	Multi-mode / single-mode (optional)
	Wavelength	Multi-mode 850nm / Single-mode 1310nm(optional)
	Interface bandwidth	10Gbps
	Transmission distance	OM3 multi-mode fiber: maximum 300m, Single-mode fiber: standard 2km ; maximum 60km

Parameter		Description
Other	Power supply	The power adapter: DC 5V/2A
	Power dissipation	Max 4W
	Temperature	Operating: -5°C~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	104*89*28mm



**TWT APPLIED TECHNOLOGY AND SERVICES PTE LTD**

---

TWT reserves the right to make product, dimensions and specifications alternations. TWT APPLIED TECHNOLOGY AND SERVICES PTE LTD reserves the ultimate right to the interpretation of this catalogue. ADDRESS : 68 SUNGAI KADUT LOOP £ 06 - 01 NUTZ CENTER, SINGAPORE 729504  
TEL : +65 6367 3272 FAX : +65 6367 0763