

## Overview:

The DisplayPort 1.2a Fiber Extender Kit, 500502 enables the user to transmit WQXGA (3840x2400) video at 60Hz signal up to 660ft (200m), with any form of scaling or data compression being applied to the signal. This device support a total data throughput of 21.6Gbps (5.4Gbps per lane).



## Applications:

Extending DisplayPort Monitors in various applications including;

Commercial and residential computer systems  
Classroom training computer systems  
Collaborative computer systems  
Medical information computer systems

## Features:

- Extend DisplayPort connectivity via multi-mode fiber
- Supports the DisplayPort 1.2a standard
- Up to 660ft (200m) over 50/125µm multi-mode fiber
- Supports WQXGA (3840x2400) resolution @ 60Hz
- Bandwidth of 21.6Gbps
- Supports Dual-Mode DP (DP++)
- Supports auxiliary/I<sup>2</sup>C channel over fiber
- Compact Metal Enclosure for a robust and easy installation

Specifications	
<b>Environment</b>	DisplayPort 1.2a
<b>Devices</b>	Plasma, projectors, monitors, PC, laptops, and servers supporting DisplayPort.
<b>Transmission</b>	Transparent to the user
<b>Video Bandwidth</b>	21.6 Gbps (5.4 Gbps per lane)
<b>Video Resolution</b>	Up to 3840x2400 @ 60Hz
<b>Signals</b>	DisplayPort 1.2a
<b>Connectors</b>	One (1) DisplayPort Male Connector Two (2) LC Optical Connectors One (1) Micro USB connector for external power
<b>Maximum Distance</b>	660ft (200 m) over 50/125µm multi-mode fiber (OM3 or OM4)
<b>Cable</b>	Two (2) LC multi-mode fibers, having a 50/125µm core
<b>Power Supply</b>	Two (2) 110-240V to 5VDC, 1A power supply with interchangeable blades for US, UK & Euro
<b>Temperature</b>	Operating: 0° to 50°C                      Storage: -30° to 70°C Humidity: Up to 85% non-condensing
<b>Enclosure</b>	Metal
<b>Dimensions</b>	1.02" x 2.83" x 0.57" (26 x 72 x 15 mm)
<b>Weight</b>	1.0 lbs (0.45 kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS
<b>Warranty</b>	2 years
<b>Order Information</b>	500502 DisplayPort 1.2a Fiber Extender Kit (UPC: 627699005026)

# DisplayPort 1.2a Fiber Extender Kit 500502

## Typical Application:

