**Overview:**

The HDMI Optical Isolator (500462) allows HDMI equipment to be completely isolated and connected up to 984ft (300m), while allowing a unidirectional communication (with no return signaling) via one (1) LC 50/125 μm OM3 multimode fiber cable in a point-to-point configuration at 1080p resolution.

The HDMI Optical Isolator establishes a high separation between the source computer and the display devices preventing any potential leakage between the source and the peripheral equipment; removing the vulnerability of shared display equipment to cyber-attacks.

The kit comes with one (1) Transmitter, one (1) Receiver and two (2) power supply.

**Typical Markets:**

IT security market; government offices, army bodies and other sensitive IT offices. This product is targeted to be used for security against potential IT threat and should be used in highly sensitive environments.

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### Features:

- Complete optical isolation between source and display.
- Unidirectional HDMI communication.
- No return signaling.
- Fixed EDID configuration.
- Up to 984ft (300m) @ 1080p via one (1) LC multimode fiber.

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### Environment

| HDMI 1.3a and DVI-D |
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### Devices

| DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. |
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### Transmission

| Unidirectional. Transparent to the user |
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### Bandwidth

| 340 MHz |
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### Signals

| HDMI 1.3a protocol |
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### Copy Protection

| Do NOT Support HDCP protected content. |
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### Connectors

| TX Side: One (1) HDMI receptacle. One (1) LC Fiber connector (output only). One (1) 2.1mm power connector. TX Side: One (1) HDMI receptacle. One (1) LC Fiber connector (input only). One (1) 2.1mm power connector. |
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**Note:** HDMI and Fiber cables not included.

### Maximum Distance

**Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.**

| 480i/p: 984ft (300m) 720p, 1080i: 984ft (300m) 1080p 8-bit: 984ft (300m) 1080p 12-bit deep-color: 984ft (300m) 4K @ 24,25, 30Hz: 984ft (300m) |
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### Cable

| One (1) Multimode fiber 50/125 μm OM3 cable required |
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### Power Supply

| Two (2) 110-240V/5VDC power supply with interchangeable blades |
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### Power Consumption

| Transmitter: 1.35 Watt Receiver: 1.15 Watt |
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### Temperature

| Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing |
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### Enclosure

| Aluminium |
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### Dimensions

| 3.27” x 1.97” x 0.75” (83 x 50 x 19 mm) |
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### Weight

| 1.0 lb (0.45 kg) |
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### Compliance

| Regulatory: FCC Class A, CE, RoHS |
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### Warranty

| 2 years |
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### Order Information

| 500462 HDMI Optical Isolator Kit (UPC: 627699004623) |
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Typical Application:

![Diagram showing typical application of HDMI Optical Isolator Kit 500462](image)

Product Photos: