

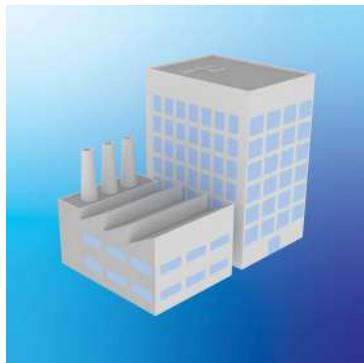


## Industrial Outdoor 10G SFP+ to 10G PoE++ Media Converter (95W)

TI-OBF711 (v1.xR)

- 1 x 10G LC duplex single mode fiber optic port
- 1 x 10G PoE++ RJ45 port
- Supports 1310nm single mode network transmissions up to 20km (12.42mi.)
- Waterproof IP67-rated metal housing
- Provides up to 95W for PoE, PoE+ and PoE++ compliant devices
- Extreme operating temperature range -40°– 75° C (-40° – 167° F)
- Includes pole mount hardware
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's Industrial Outdoor 10G SFP+ to 10G PoE++ Media Converter (95W), model TI-OBF711, converts a long-distance fiber connection to a copper connection, while providing power to PoE, PoE+, and PoE++ compliant devices, such as IP cameras, VoIP phones, and wireless access points. When paired with TRENDnet's TEG-10GBS20, this outdoor media converter can transmit data up to a range of 20km (12.42 mi.). With an operating temperature range of -40°– 75° C (-40° – 167° F), the industrial outdoor media converter features a hardened IP67 rated metal housing suitable for tough, industrial environments. The outdoor PoE++ media converter's rugged design also provides protection from shock, freefall, and vibration.



## Network Applications

Network devices outdoors for surveillance, transportation, and corporate applications.



## PoE++ Output

Converts long-distance fiber to copper while providing power to PoE, PoE+, and PoE++ compliant devices, such as IP cameras and wireless APs.



## Outdoor Design

Hardened IP67 outdoor media converter for industrial networking environments within a -40° – 75° C (-40° – 167° F) operating temperature range.

## FEATURES



### 10G PoE++ Port

One 10G PoE++ Ethernet port for high-power and high-speed devices



### Fiber port

One LC duplex single mode fiber optic port



### Outdoor Protection

This outdoor SFP+ media converter is IP67 rated for dust tight protection, and immersion in water up to 1m (3.28 ft.) for 30 minutes



### Surge Protection

Provides up to 6kV RJ45 Ethernet surge protection



### Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)



### Electro Magnetic Compliance

Complies with industrial EMS certifications ESD (IEC 61000-4-2): Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power: 2kV, Signal: 1kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



### Grounding Point

The industrial PoE++ outdoor media converter features a grounding point to protect equipment from external electrical surges



### Long Range

The fiber connection allows for long range distances up to 20km (12.41 mi.)



### Extreme Temperature Range

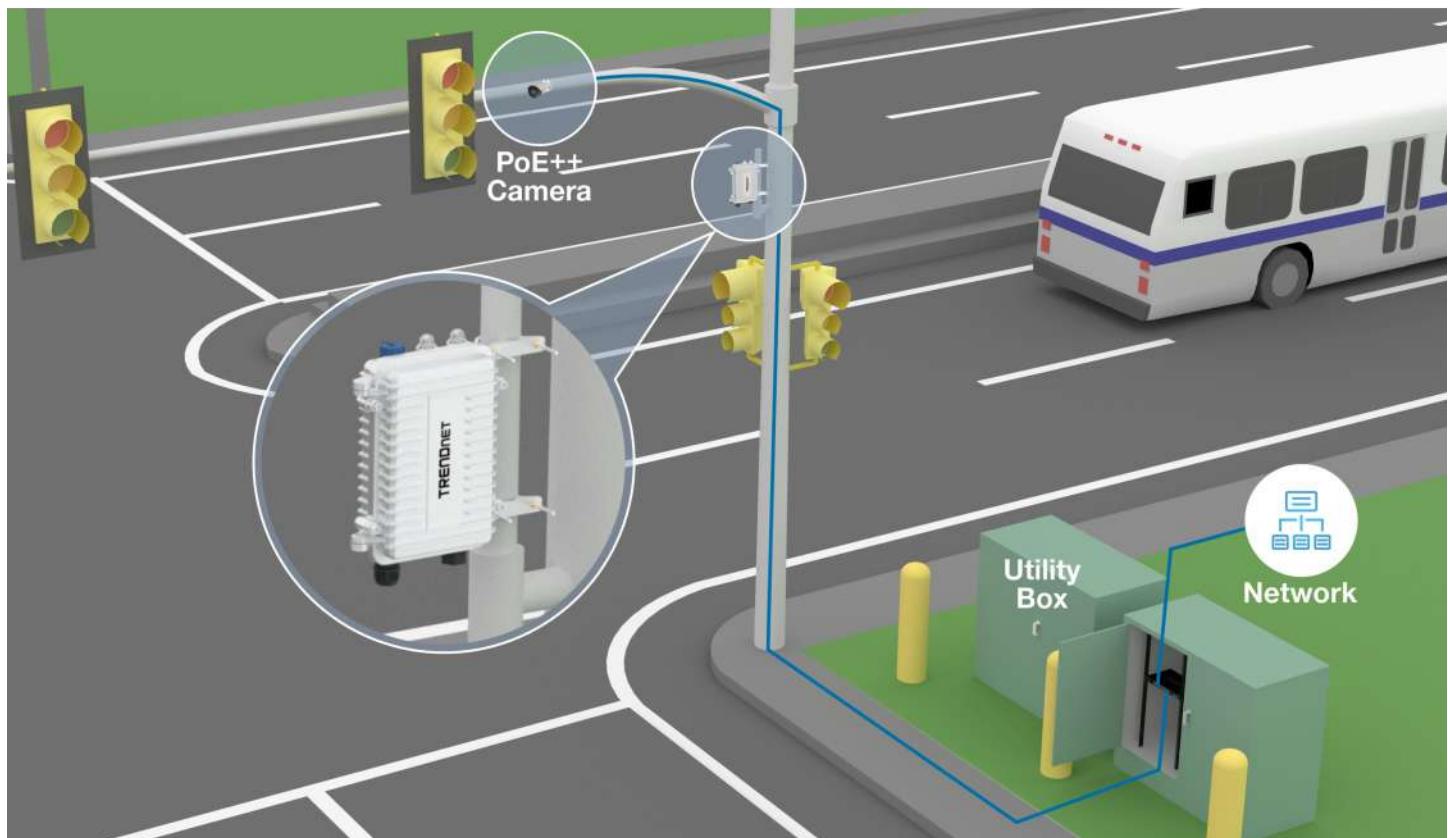
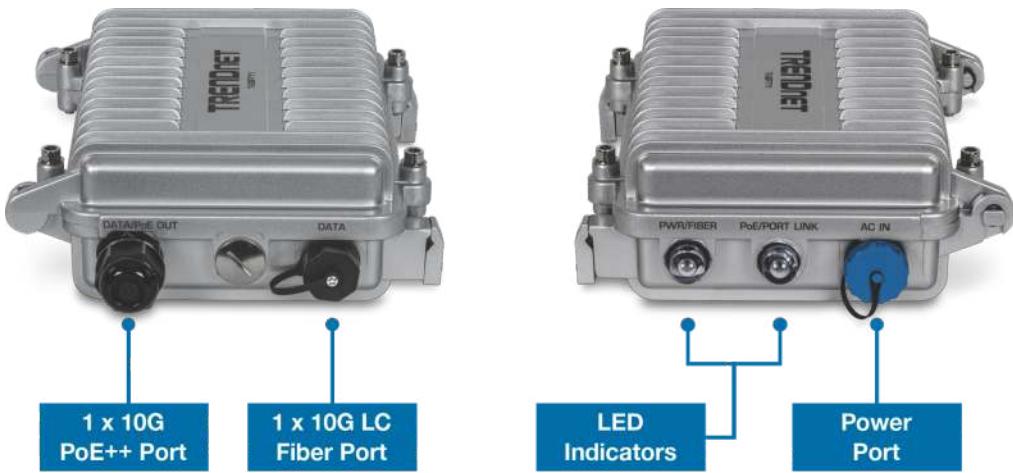
An extreme operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with intense hot or cold conditions



### Pole Mount

The outdoor SFP+ media converter includes pole mount hardware

## NETWORKING SOLUTION



## SPECIFICATIONS

### Standards

- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.3ab
- IEEE 802.3ae
- IEEE 802.3an
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt

### Device Interface

- 1 x 10GBASE-T PoE++ RJ45 Auto-MDIX port (1G / 10Gbps)
- 1 x LC duplex single mode fiber optic port (1G / 10Gbps)
- LED indicators

### Performance

- Data RAM Buffer: 1MB
- Switching Capacity: 20Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 128KB
- Forwarding rate: 29.76Mpps (64-byte packet size)

### Fiber

- Media: 10Gbps Single-mode LC fiber optic connector
- Cable: SM G.652
- Wavelength: 1310 nm
- Optical Output Power (dBm): -5 ~ 0
- Optical Input Power (dBm): -14.4
- Power Budget: 9.4 dBm
- Distance: up to 20km (12.42 mi.) (dependent on SFP)

### PoE

- PoE budget: 95W
- Pins 1, 2, 7, 8 for power - and pins 3, 6, 4, 5 for power +
- Over current protection
- Short circuit protection

### Power

- Input: 100 – 240V AC, 50/60Hz, 3-pin power connector
- Max. consumption: 7.33W (without PD connected)

### MTBF

- 760,000 hours @ 25° C

### Enclosure

- IP67 metal case
- Pole mountable
- 6kV AC surge protection
- 6kV RJ45 surge protection

### Operating Temperature

- -40° – 75° C (-40° – 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 235 x 154 x 75mm (9.25 x 6.06 x 2.95 in.)

### Weight

- 1.83kg (4.03 lbs.)

### Certifications

- CE
- FCC
- ETL
- LVD
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

### Warranty

- 3-year

### Package Contents

- TI-OBF711
- 3-pin power cord (1.5m / 5 ft.)
- Pole mount hardware

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.