

**MEDIA CONVERTERS—ULTRA-MINIATURE**

*Upgrade twisted-pair networks to fiber and extend Ethernet connections up to 18.6 miles (30 km) with Patton's Model 2300 OpticLink Ultra-Miniature Ethernet Media Converters*

**OpticLink Media Converters**  
**Patton Model 2300 Multimode & Single Mode Series**

Patton's Ultra-Miniature media converters provide a cost-effective Plug & Play solution for converting your twisted-pair networks to fiber. When used in pairs, the Patton 2300 extends your Ethernet connections up to 1.24 miles (2 km) using readily available multimode fiber, or 18.6 miles (30 km) over single mode fiber. The Patton 2300 Series offers flexible and standards-based Ethernet extension and conversion for a variety of Ethernet networks with the added bonus of protection against electromagnetic interference (EMI), a common problem associated with copper transmissions.

OpticLink Media Converters directly connect to Ethernet devices supporting 10Base-T or 100Base-TX. Models 2311 and 2312 feature 10/100 auto-negotiation, making them the perfect choice when planning a future upgrade of existing 10Base-T networks. All 2300 media converters are ultra-miniature in size and feature a shielded RJ-45 Ethernet jack, and MDI/MDI-X switch for quick and easy installation. The 2300M (Multimode) Series offer a choice of ST or SC style fiber optic connections. Built-in auto-sensing capabilities enable full or half-duplex Ethernet operation with no configuration required! Once up and running, LED indicators provide operational status on power, fiber link and activity, and copper/twisted-pair link and activity. Let Patton's OpticLink Ethernet Media Converters extend your network's reach and performance with the speed and security of fiber!

For more information visit [www.patton.com](http://www.patton.com).

**Ethernet Extension & Access**  
*Extend Ethernet connections up to 1.24 miles (2 km) over multimode fiber and 18.6 miles (30 km) over single mode fiber*

**Update your LAN**  
*Upgrade existing twisted-pair networks and get the speed and security of fiber*

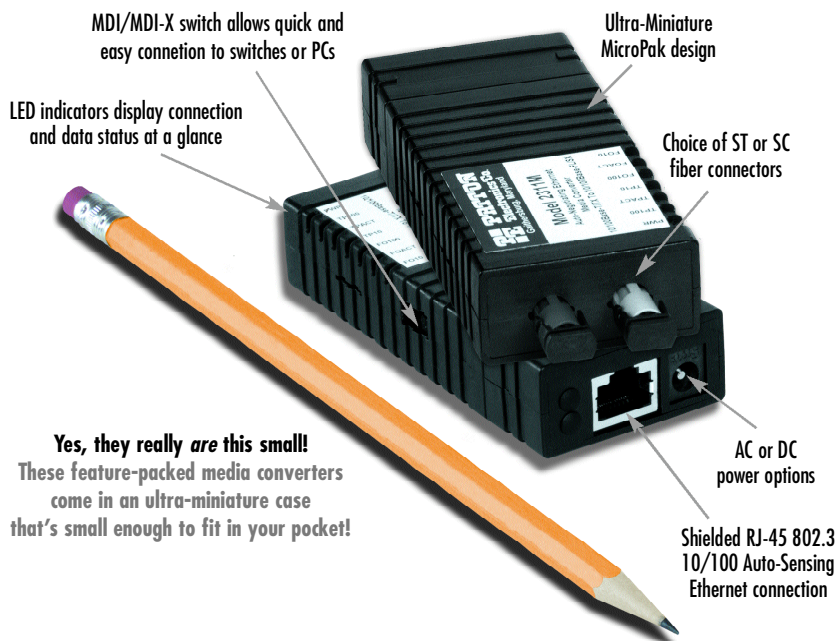
**Solve Equipment Mismatches**  
*Easily connect network equipment with twisted-pair and fiber interfaces*

**Eliminate Crossover Cables**  
*MDI/MDI-X switch settings match the connected equipment*

**Standards Compliant**  
*IEEE 802.3, 10Base-T, 10Base-FL, 100Base-FX, 100Base-SX, 100Base-TX*

**Easy to Monitor**  
*LED indicators provide operating status and assist with troubleshooting*

**Plug & Play**  
*Simple end-user installation and operation*



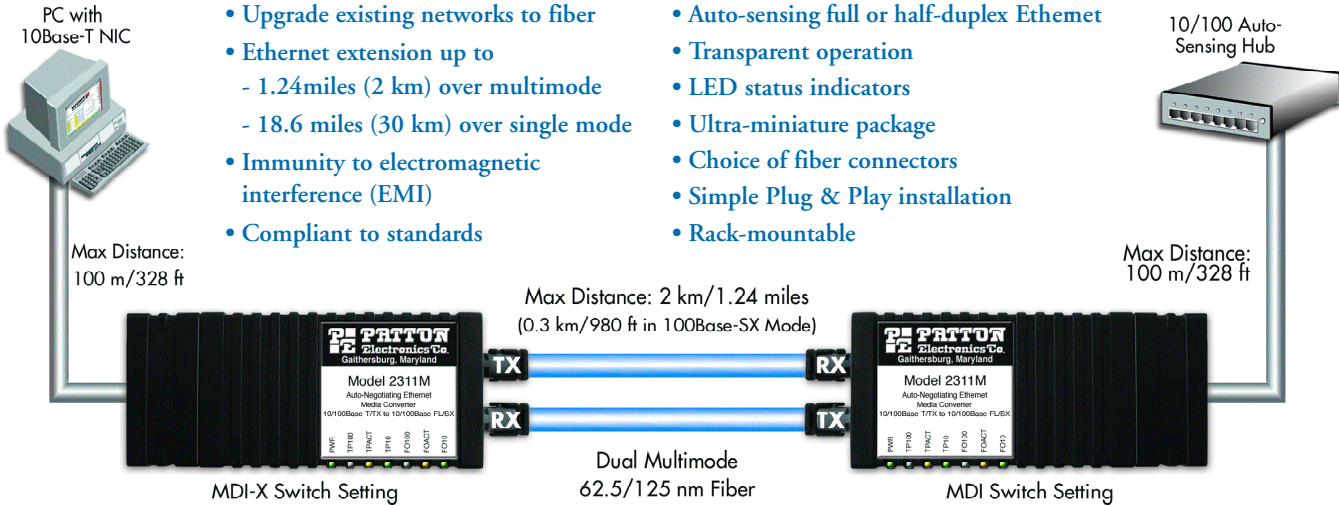
Rack mountable using Patton's 1001MP16 Universal Mounting Panel



## Patton 2300 Series Product Selection Chart

Model	Twisted-Pair Standard	Fiber Standard	Fiber Cable Type	Fiber Interface (XX)	Wavelength (nm)	Distance	Transmission
2300M-XX	100Base-TX	100Base-FX	Multimode	ST or SC	1300	2 km	100 Mbps
2310M-XX	10Base-T	10Base-FL	Multimode	ST or SC	850	2 km	10 Mbps
2311M-XX	10Base-T/100Base-TX	10Base-FL/100Base-SX	Multimode	ST or SC	850	2 km/300 m	10 Mbps/100 Mbps
2300S-SC/15K	100Base-TX	100Base-FX	Single Mode	SC	1310	15 km	100 Mbps
2310S-SC/15K	10Base-T	10Base-FX	Single Mode	SC	1310	15 km	10 Mbps
2300S-SC/30K	100Base-TX	100Base-FX	Single Mode	SC	1310	30 km	100 Mbps
2310S-SC/30K	10Base-T	10Base-FX	Single Mode	SC	1310	30 km	10 Mbps

### What does the 2300 Series offer?



### Specifications

<b>Fiber Interface</b>	Multimode: Dual female ST or SC style fiber connectors; Single mode: Dual female SC style connectors only	<b>LED Indicators</b>	Power, Twisted-Pair Link and Activity, Fiber Optic Link and Activity
<b>Fiber Cable Type</b>	Multimode: Dual Strand, 62.5/125 $\mu$ m recommended; Single mode: Dual Strand, 9/125 $\mu$ m recommended	<b>Power Supply</b>	External AC and DC options. AC: 120 VAC, and universal input (UI) – 100/240 VAC, DC: -48 VDC, -24 VDC, and -12 VDC (optional)
<b>Twisted-Pair Interface</b>	Shielded RJ-45 jack, auto-sensing full or half-duplex operation	<b>Compliance</b>	FCC Part 15 Class A; EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC; CE Mark
<b>Twisted-Pair Cable Type</b>	Category 5 or better recommended	<b>Environment</b>	Temperature: 32–113°F (0–45°C) Humidity: Up to 90%, non-condensing
<b>Distance</b>	2300M Series: 2 km (1.24 miles) in 10Base-FL & 100Base-FX modes, 300m (980ft) in 100Base-SX Mode; 2300S Series: 15 km (9.3 miles) and 30 km (18.6 miles)	<b>Dimensions</b>	Ultra-miniature 4.25L x 1.7W x 0.8H in. (10.8 L x 4.3W x 2.0H cm)
<b>Transmission</b>	10 or 100 Mbps (depending on model selection and mode of operation)	<b>Weight</b>	0.15 lbs (0.07 kg) without power supply
<b>Protocol</b>	Transparent to higher layer protocols		
<b>Standards</b>	IEEE 802.3, IEEE 802.3u, 10Base-T, 10Base-FL, 100Base-FX, 100Base-SX, 100Base-TX		



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