

WL-600

Wizlite

A Wiz-Lite Product



- 1000BaseT to 1000BaseSX/LX A/N transparent converter
- Complies with IEEE standards 802.3ab 1000BaseT, 802.3z 1000BaseSX/LX
- Highly reliable 3R technology (Retiming, Reshaping and Regeneration), supports any frame size
- Auto-negotiation, auto MDI/MDIX, auto polarity correction, Flow control on both TP and F/O ports
- Copper cable: Up to 100m on Cat5, 5e or 6 TP cable
- Multimode fiber: up to 220/550m (62.5/50m MMF) and special version for 2Km (SC or LC connectors)
- Singlemode fiber: dual fiber up to 70Km, single fiber up to 20Km and CWDM up to 80Km (SC or LC connector)
- Fast and simple installation, no setup required
- Special version for Fiber Protected FTTX installations
- Highly visible LED indicators
- External universal power supply (wall adaptor)

The WL-600 is a stand alone Gigabit converter providing transparent conversion between 1000BaseT copper media and 1000BaseSX/LX fiber media in compliance with IEEE standards.

The WL-600 is used to extend the distance and transparently connect two Gigabit Ethernet Auto-negotiation Twisted-Pair devices over MM or SM fiber optic media.

Using 3R technology (Retiming, Reshaping and Regeneration) the WL-600 provides highly reliable data transfer, for any frame size, over extended links with no performance degradation.

The WL-600 supports 1000BaseT Auto-Negotiation, auto MDI-MDIX and auto polarity on the copper port, and 1000BaseSX/LX Auto Negotiation on the fiber port. The fiber port is available with SC or LC connectors for duplex multi-mode or single-mode fibers and single fibre single-mode fiber (SC).

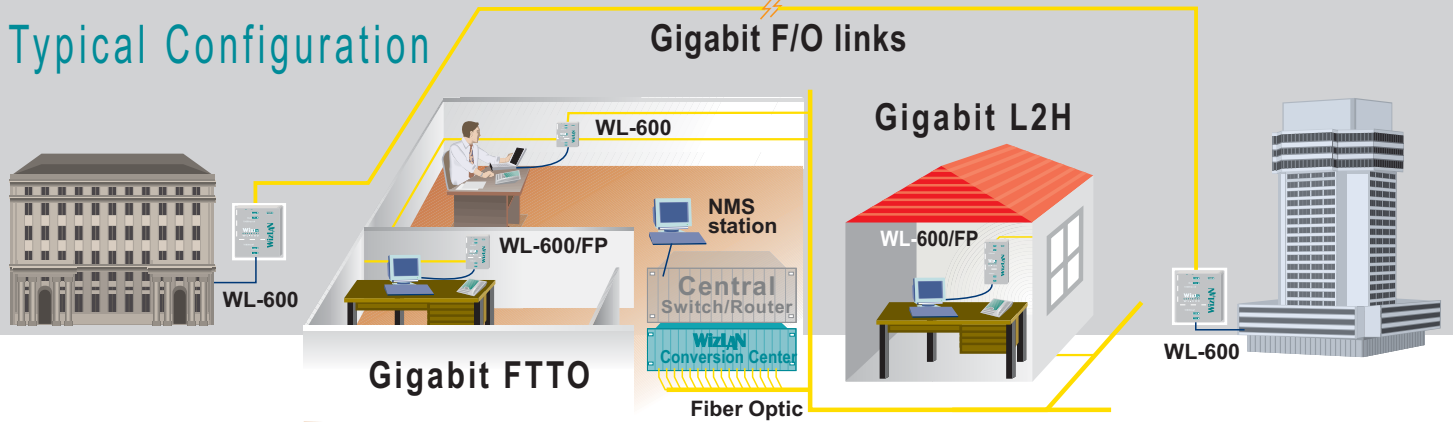
Flow control is supported on both copper and fiber ports.

The fiber protector (FP) version of the WL-600 is specially designed for FTTX and L2H applications. This model includes integrated F/O tray and cover that protects the incoming fiber and power plug. Using the WL-600/FP the fiber and power plug are protected and the user can only access the TP port.

Per port indicators provide high visibility of port status and converter activity in both desktop and wall mounting.



Typical Configuration



Technical Specifications

WL-600 1000BaseT to 1000BaseSX/LX A/N Gigabit converter

Fiber port: 1000BaseSX/LX

Media and Connectors:

Multimode (MM), 850nm Connectors: SC, LC

Singlemode (SM), 1310/1550nm Connectors: SC, LC

Distance / power budget:

Multimode (MM 62.5/125, 50/125) 220/550m / 8dB
(MM 62.5/125, 50/125) 2Km (M2 special model)

Singlemode (SM 9/125) 10Km/10dB, 20Km/17dB (1310nm)
50Km/17dB, 70Km/24dB (1550nm)

Single Fiber (SM, SF dual wavelength) 10Km/12dB
20Km/17dB

Copper Port: 1000BaseT

1000BaseT RJ-45 auto-MDI and polarity

Auto Negotiation

100 meter (330 ft) distance over TP cables Cat5, 5e and 6

Features:

Auto-negotiation on both TP (copper) and fiber ports

Auto MDI/MDIX and auto polarity correction

Flow control

Technology:

Transparent converter

Protocol dependant 3R repeating (Retiming, reshaping and Regeneration)

Maximum frame size: Not limited

LED Indicators:

POWER: Power ON indication

Fiber port: Link; TX (relates to RX on the TP port)

Copper (TP) port: Link; TX

Power:

External power adaptor

AC input: wide-range, 100-240VAC 50/60Hz

DC output: 5 VDC, 2 Amp

Polarity: -  +

Standards Compliance:

IEEE802.3ab, 802.3z

Safety and Emission Standards:

CE, FCC Part 15, EN60950

Dimensions:

	Length	Width	Height
	102mm(4")	96mm(3.8")	26mm(1.03")
FP version	190mm(7.5")	96mm(3.8")	26mm(1.03")

Environment:

Operating Temp.: 0° to 45°C (32° to 113°F)

Storage: -30° to 70°C (-22° to 149°F)

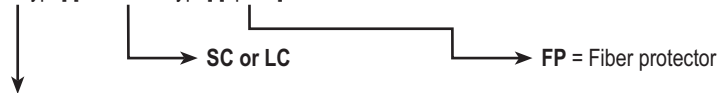
Humidity: 10% to 90% non-condensing

Ordering Information:

WL-600/___/___/___ Gigabit A/N converter, one port 1000BaseT, one 1000BaseX F/O port ([fiber type], [connector type],). Inc. ext. power adaptor (EPS).[option]

Ordering terminology:

WL-600/[Fiber type]/[connector type]/[option]



M = Multimode, 850nm, 0-220/550m

M2 = Multimode, 0-2Km

S = Singlemode, 1310nm, 10 dB, 0-10Km

S1 = Singlemode, 1310nm, 17dB, 0-20Km

S2 = Singlemode, 1550nm, 17dB, 10-50Km

S3 = Singlemode, 1550nm, 24dB, 30-70Km

***SF-A/B/S** = Single Fiber, SM -1550/1310nm, 12dB, 0-10Km

***SF-A/B/S1** = Single Fiber, SM -1550/1310nm, 17dB, 0-20Km

* Single Fiber (dual wavelength, works in pairs): type A: TX-1550nm and RX-1310nm connects to type B: TX-1310nm and RX-1550nm.

Example: **WL-600/S/SC** Gigabit A/N converter, one port 1000BaseT, one 1000BaseX F/O port (Singlemode, 1310nm, 10 dB, 0-10K, SC), Inc. Ext. power adaptor (EPS).

All specifications are subject to change without notice. Neither manufacturer nor seller shall be liable for any loss, damage, or injury, direct or consequential, arising from the inability to use the product.