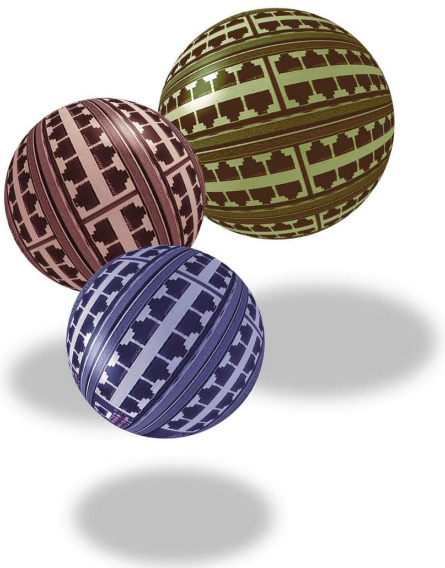
WizLAN Ltd.

Triple Speed Gigabit Converter 10/100/1000BaseT to 1000BaseX

Wiz lite

WL-620

A Wiz-Lite Product



- 10/100/1000BaseT to 1000BaseSX/LX A/N triple speed converter
- Complies with IEEE standards 802.3 10/100/1000BaseT 802.3z 1000BaseSX/LX, 802.3u
- Highly reliable 3R technology (Retiming, Reshaping and Regeneration)
- Auto-negotiation, auto MDI/MDIX, auto polarity correction, Flow control
- Copper cable: Up to 100m on Cat5, 5e or 6 TP cable
- Multmode 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
- Highly visible LED indicators
- Internal AC or DC power supply (IPS), or external universal power adaptor (EPS)

The WL-620 is a stand alone triple speed Gigabit converter providing conversion between 10/100/1000BaseT copper media and 1000BaseSX/LX fiber media in compliance with IEEE standards.

The WL-620 is used to connect an Ethernet auto-negotiation TP device, either 10M, 100M or 1000M, over MM or SM fiber optic Gigabit links.

Using high speed non blocking switching technology the WL-620 enables speed conversion as well as 3R repeating technology (Retiming, Reshaping and Regeneration) providing highly reliable data transfer over extended fiber optic links.

The WL-620 supports 10/100/1000BaseT 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).

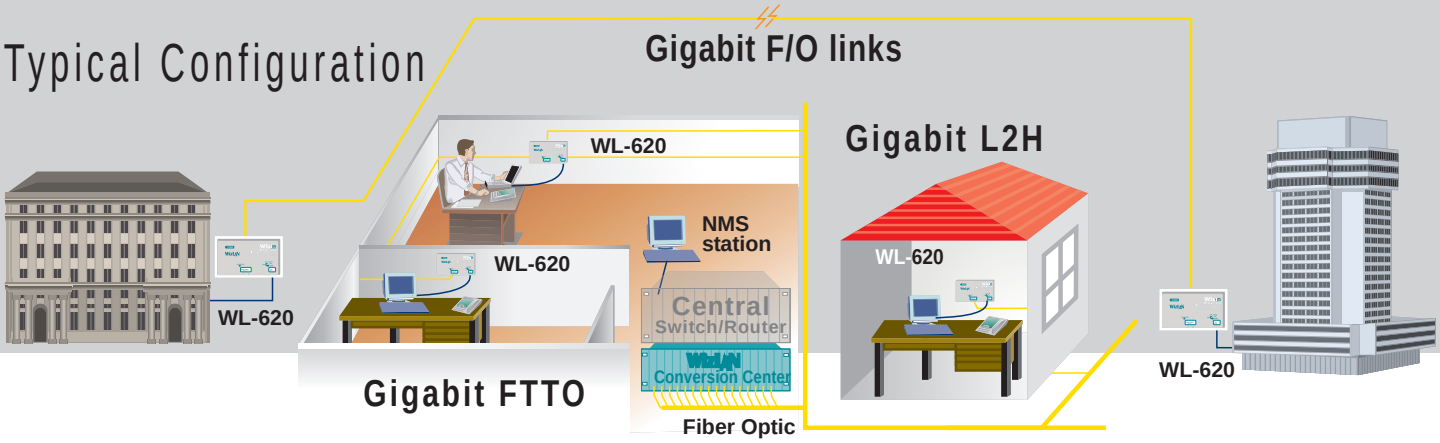
Flow control is supported on both copper and fiber ports.

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

WizLAN Ltd. **Your Connectivity Partner**

WL-620

Typical Configuration



Technical Specifications

WL-620 10/100/1000BaseT to 1000BaseSX/LX Triple Speed 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: 10/100/1000BaseT

10/100/1000BaseT 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:

Store & Forward, high speed, non blocking switching technology
Protocol dependant 3R repeating (Retiming, reshaping and Regeneration)
Maximum frame size: 1632Bytes; Frame buffer memory: 1Mbit

LED Indicators:

POWER: Power ON indication
Fiber port: Link/Activity
Copper (TP) port: Link/Activity for 10M, 100M and 1000M speeds

Power:

EPS (External Power Adaptor), AC input: 100-240VAC 50/60Hz
DC output: 5 VDC, 2 Amp Polarity: – ⊣● +
IPS (Internal Power Supply),
AC input: 90-264VAC 50/60Hz
DC input: 9-36VDC or 36-72VDC

Standards Compliance:

IEEE802.3, 802.3z and 802.3u

Safety and Emission Standards:

CE, FCC Part 15, EN60950

Dimensions:

	Width	Depth	Height
WL-620/EPS:	150mm(5.9")	85mm(3.4")	31mm(1.3")
WL-620/IPS:	150mm(5.9")	163mm(6.5")	31mm(1.3")

Environment:

Operating Temp.: 0^0 to 45^0C (32^0 to 113^0F)
Storage: -30^0 to 70^0C (-22^0 to 149^0F)
Humidity: 10% to 90% non-condensing

Ordering Information:

WL-620/__/__ /__ Triple speed Gigabit converter, one port 10/100/1000BaseT, one 1000BaseX F/O port ([fiber type], [connector type]). Inc. External Universal power adaptor (EPS) or [option]

Ordering terminology:

WL-620/[Fiber type]/[connector type]/[option]

SC or LC

( ) = EPS - external power adaptor (AC, 100-240VAC 50/60Hz)
IPS = Internal poer supply (AC, 90 - 264VAC 50/60Hz)
IPS-DCL = Internal DC PS, input: 9-36VDC
IPS-DCH = Internal DC PS, input: 36-72VDC

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, 247dB, 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-620/S/SC Triple speed Gigabit converter, one port 10/100/1000BaseT, one 1000BaseX F/O port (Singlemode, 1310nm, 10 dB, 0-10K, SC), Inc. External Universal power adaptor (EPS).

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