

**Wiz**lite

WL-200A

A Wiz-Lite Product

Description

- Fast Ethernet transparent converter
- Auto-Negotiation or Manual HDX/FDX settings
- MDI/MDI-X auto crossover
- Enhanced Link Verification functions:
 - Far End Fault (FEF) detection
 - Propagation of no link (PONL), configurable to:
 - Fiber to Copper, Copper to Fiber, bi-directional
- F/O port supporting Multimode, Singlemode or Single fiber with a variety of F/O connectors
- STP/UTP cabling support
- Enhanced LED diagnostics, eight indications
- Easy setup via DIP switches
- Desk-top or direct wall mounting
- Available for indoor, outdoor or industrial environment
- Optional version for F/O protected mounting (/FP)
- External wide-range switching power adaptor

The WL-200A is a full feature stand-alone Fast Ethernet converter providing transparent conversion between 100BaseT copper media (RJ-45) and 100BaseFX fiber media in compliance with IEEE 802.3u standards.

The WL-200A is available for indoor, outdoor (/ETR) and industrial (/IND) installations.

The converter supports Auto-negotiation (A/N) or manual selection of FDX or HDX mode on the TX and FX ports, as well as auto MDI/MDI-X crossover.

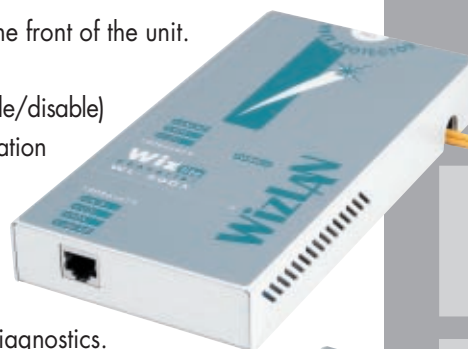
The device configuration is made via 8 position DIP switch located at the front of the unit.

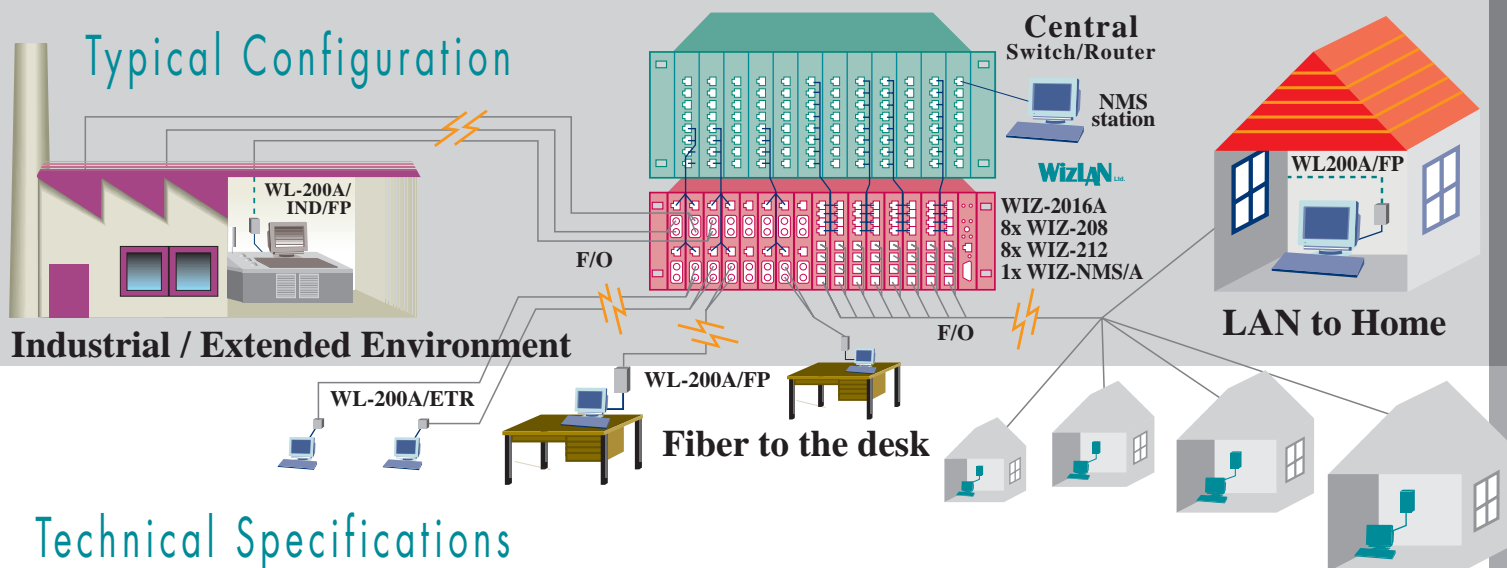
The WL-200A is equipped with enhanced link verification features, FEF (enable/disable) and single/bi-directional PONL that provide plug & play installation, operation and maintenance as well as link management capabilities.

The FX port is available with multimode (MM) SC, ST, MT-RJ or VF-45 connectors, singlemode (SM) SC or LC connectors for distances up to 100Km. Single fiber (SF) interfaces are available upon request.

Eight high visibility LED indicators provide extensive status display and diagnostics.

The Fiber Protector (FP) version of the WL-200A, is specially designed for FTTx (Fiber to the Desk/Office) and L2H (LAN to Home) applications. This model includes integrated F/O tray and cover that protects the F/O connection and power plug. Using WL-200A/FP the user can only access the TX port while the fiber and power plug are protected.





Technical Specifications

WL-200A – Enhanced A/N Converter

100BaseT port

100BaseT RJ-45 auto MDI/MDI-X crossover
A/N or manual (HDX/FDX) Via DIP SW
100 meter (330 ft) distance over UTP/STP

LED Indicators

POWER - Power indication
LINK/ACT - Link / Activity indication, LED per port
FDX - Full duplex indication, LED per port
COL - Collision indication, LED per port
A/N - Operating in A/N mode indication, only on copper port

Technology

Physical layer repeater
Transparent converter - supports any frame size

Standard Compliance

IEEE802.3u

Setup Options (via DIP SW)

Copper port: A/N or Manual
FDX or HDX (if in manual)
Fiber port: FDX or HDX
Link verification functions: FEF ON or OFF
PONL OFF or F2C (fiber to copper)
PONL OFF or C2F (copper to fiber)
Reset: RESET or NORMAL to activate a setup change

100BaseFX Port

Interface (duplex fiber):

Multimode (MM), 1310nm

Singlemode (SM), 1310/1550nm

Connectors: SC, ST, LC, VF-45, MT-RJ

Connectors: SC, ST, LC

Power budget / Distance:

Multimode (MM 62.5/125 μ)

11dB/6Km

Singlemode (SM 9/125 μ)

18dB/30Km, 30dB/50Km, 34dB/100Km

Single Fiber (SM, SF dual wavelength, SC) 18dB/20Km, 30dB/50Km

F/O Link Verification Functions

Far-End-Fault (FEF) detection on fiber port (manageable)

Power

External wide-range switching power adaptor (EPS)

AC input: 90 - 264 VAC 50/60Hz (14W max.) +5V-

DC output: 5VDC 1 - 2Amp. Regulated



Safety and Emissions

CE, FCC Part 15, EN60950

Module Dimensions

WL-200A/ / / /

Length

104mm(4.1")

Width

76.5mm(3.0")

Height/Depth

26.5mm(1.05")

WL-200A/ / / /FP

190mm(7.5")

96mm(3.8")

26.5mm(1.05")

Environment

Operating (°C):

Standard

0 to +45

ETR

0 to +60

IND

-20 to +70

Operating (°F):

32 to 113

32 to 140

-4 to 158

Storage:

-40 to 85 °C (-40 to 185 °F)

Humidity:

10% to 90% non-condensing

Ordering Information

WL-200A/ / / / 100BaseT to 100BaseFX enhanced A/N converter ([Fiber Type], [connector type], [Options]), inc. EPS

Ordering terminology

WL-200A / [Fiber type] / [connector type] / [Options]

M

= Multimode, 1310nm, 11 dB, 0-6Km,

S

= Singlemode, 1310nm, 18 dB, 0-30Km

S1

= Singlemode, 1310nm, 30dB, 10-50Km

S2

= Singlemode, 1550nm, 34dB, 40-100Km

* **SF-A/B**

= Single Fiber, SM -1550/1310nm, 18dB, 0-20Km

* **S1F-A/B**

= Single Fiber, SM -1550/1310nm, 30dB, 10-50Km

SC

ST

LC

VF-45

MT-RJ

[]

FP

ETR

ETR/FP

IND

IND/FP

Standard Temp. 0°C to +45°C

Standard Temp, Fiber Protector

Extended Temp 0°C to +60°C

ETR, Fiber Protector

Industrial Temp -20°C to +70°C

IND, Fiber Protector

* 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-200/S/SC/ETR/FP** 100BaseT to 100BaseFX enhanced A/N converter (singlemode 1310nm, 18dB, 30Km, SC), 0°C to +60°C, Fiber Protector, Inc. 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.

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