![Westermo logo — Robust Industrial Data Communication]

Proudly Distributed By Gross Automation

DDW-100
Ethernet SHDSL Extender

⊞ Transparent Ethernet Extender
⊞ 192 Kbit/s to 2.3 Mbit/s
⊞ Up to 6.2 miles (10 km) on twisted pair
⊞ Plug and Play
 • Auto MDI/MDI-X
 • Auto negotiation
 • Auto polarity
⊞ 10/100BaseTX
⊞ Settings for: Reliable Mode.
  High speed mode or Normal mode
⊞ Wide temperature range (−32 to +158°F)
⊞ Comprehensive diagnostics
⊞ Total galvanic isolation & transient protection
⊞ Industrial and Railway approval
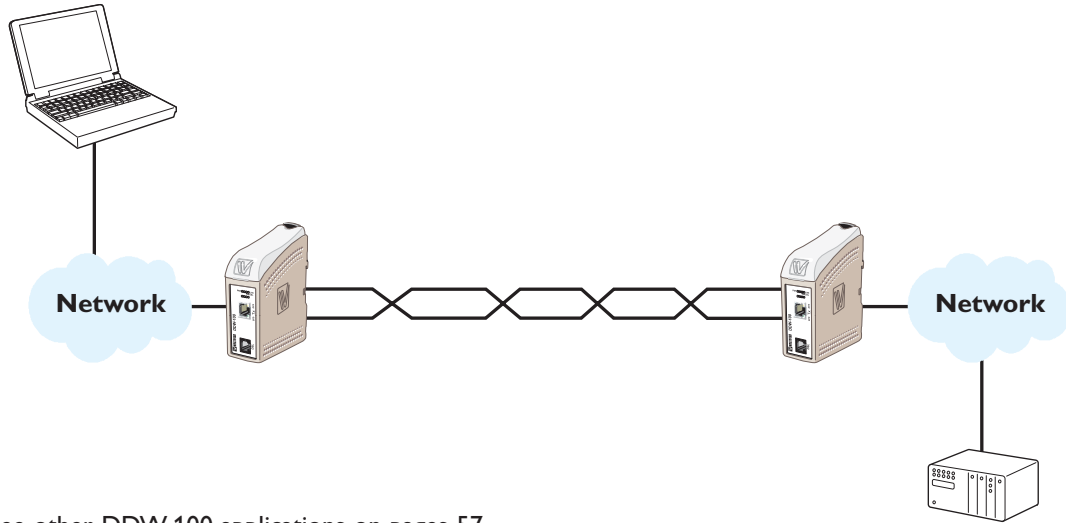⊞ Redundant power and wide DC input range

Field of application

The DDW-100 is a plug and play Industrial Ethernet SHDSL extender. It is designed as a transparent Ethernet Extender for 10/100BaseTX networks. SHDSL represents the best of several symmetric DSL technologies. This unit provides the ability to reuse existing twisted copper pair with data rates from 192 Kbit/s to 2.3 Mbit/s in both directions up to 6.2 miles (10 km).

The DDW-100 is a bridge not router and so is simple to install with all configuration done by DIP-switches. The DIN rail mounted DDW-100 is designed for industry. It can be powered from two separate supplies and handle an operating voltage range of 10–60 VDC.
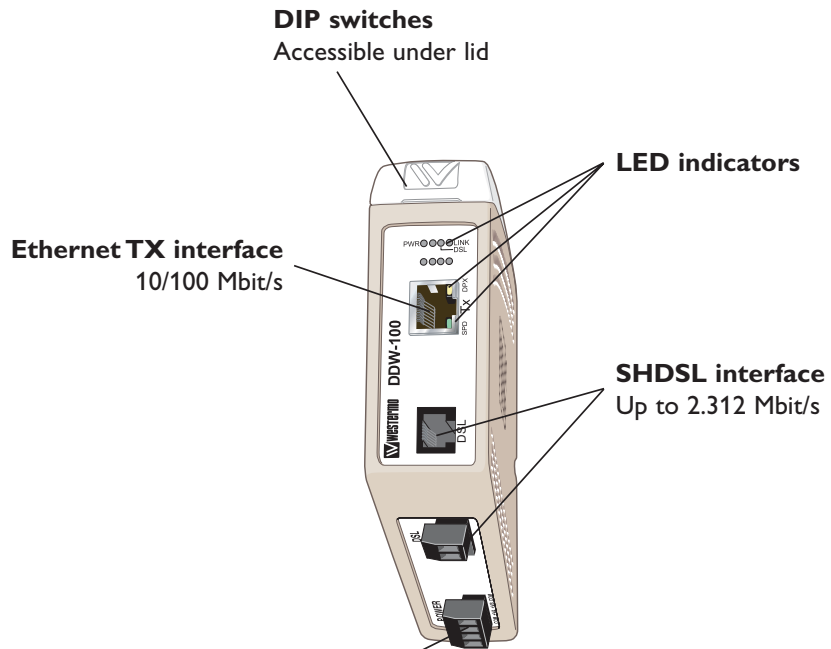
Application

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Network — Network

See other DDW-100 applications on pages 57

Interfaces

DIP switches
Accessible under lid

LED indicators

Ethernet TX interface
10/100 Mbit/s

SHDSL interface
Up to 2.312 Mbit/s

Power

	DDW-100
Operating voltage	10–60 VDC (polarity independent)
Rated current	146 mA @ 24 VDC
Rated frequency	DC
Connection	Detachable screw terminal