

ED20KEXT4PSW

Managed 10/100BASE-TX Ethernet Extender



Overview

EtherWAN's ED20EXT4PSW is a managed Ethernet extender with point-to-point connections, line and ring structures, data rates of up to 30Mbps, distances of up to 12.4 miles (20km) on in-house copper cables, replaceable surge protection, 2 SHDSL ports, 4-port switch, and diagnostics via display and Ethernet.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ Your Advantages

- Distances up to 12.4 miles (20km)
- Up to 15.3Mbps in 2-wire operation
- Up to 30Mbps in 4-wire operation
- Robust modulation method (SHDSL)
- Automatic SHDSL data rate detection
- Network transparent (no IP configuration required)
- Automatic detection of network cable type (auto MDI(X))
- Automatic network data rate detection (10/100Mbps)
- Easy startup, plug and play
- Two digital outputs for alerting external controllers
- Remote diagnostics via IP and automatic event messages via SNMP

Features

+ Management

- DHCP Client
- IPv4, IPv6
- SNMP
- Remote diagnostics via IP
- TCP/IP
- ARP
- Web management

+ Security

- System logging
- HTTP/HTTPS for web security

Specifications

+ Performance

Max Distance

12.4 miles (20km): Depending on data rate and cable cross section

Max Speed

15.3Mbps in 2-wire operation
30MBps in 4-wire operation

Cabling Limitations

Conductor cross section solid: Min: 0.2mm²; Max: 1.5mm²

Conductor cross section flexible: Min: 0.2mm²; Max: 2.5mm²

Conductor cross section AWG: Min: 24; Max: 16

+ Interface

Ethernet

4 x 10/100Base-T(X)

Extender Ports

1 x RJ45 socket

LED Indicators

Power, Device Information, Display Panel

+ Technology

Standards

IEEE 802.3

Processing Type

Auto-negotiation
SHDSL interface according to ITU-T G.991.2.bis

+ Power

Input

10VDC to 60VDC

Typical Current Consumption

90mA (60VDC)

200mA (24VDC)

450mA (10VDC)

+ Physical

Casing Material

Aluminum/steel sheet DC01

IP Rating

IP20

Dimensions

60 x 130 x 160mm (W x D x H)
2.4" x 5.1" x 6.3"

Weight

1.7lbs (27.7oz/786g)

Installation Type

DIN Rail

+ Environmental

Operating Temp.

-40 to 165°F (-40 to 74°C)

Storage Temp.

-40 to 185°F (-40 to 85°C)

Relative Humidity

10% to 95% (non-condensing)

Altitude

<8200ft (2500m) (For restrictions, see the manufacturer's declaration for altitude operation)

MTBF

577 Years (SN 29500 standard, temperature 77°F/25°C, operating cycle 21%)
300 Years (SN 29500 standard, temperature 104°F/40°C, operating cycle 34.25%)
128 Years (SN 29500 standard, temperature 104°F/40°C, operating cycle 100%)

+ Regulatory

EMI

EN 50121-4

EN 55011

EMS

EN 61000-4-2 (ESD)

EN 61000-4-3 (Radiated RFI)

EN 61000-4-4 (Burst)

EN 61000-4-5 (Surge)

EN 61000-4-6 (Induced RFI)

Safety

UL Listed, cUL Listed, cULus Listed

Traffic

NEMA TS2

Vibration

IEC 60068-2-6

Shock

IEC 60068-2-27

Electromagnetic

EMC Directive 2014/30/EU

+ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

+ What's Included

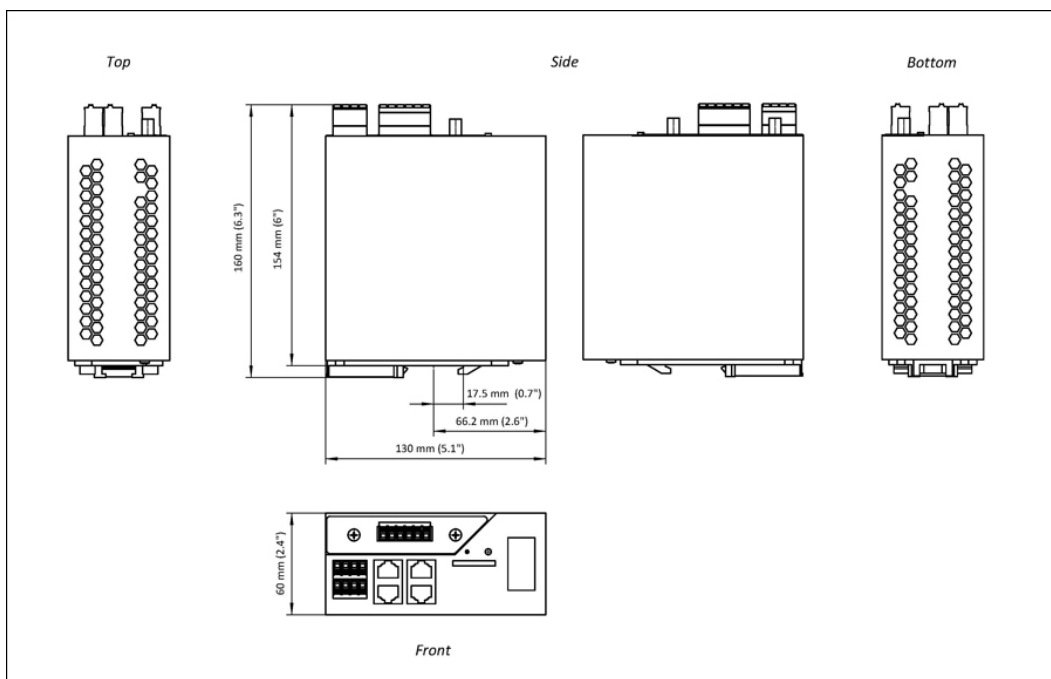
Device

Ethernet Extender

Cables

Preassembled data cable

Dimensions



Ordering Info

+ Model

ED20KEXT4PSW	4-port Managed 10/100BASE-TX Ethernet Extender with 2 SHDSL ports
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