

# ED20KEXT4PSW

Managed 10/100BASE-TX Ethernet Extender



## 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

## 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."

## 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: 0.2mm<sup>2</sup>; Max: 1.5mm<sup>2</sup>  
Conductor cross section flexible: Min: 0.2mm<sup>2</sup>; Max: 2.5mm<sup>2</sup>  
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**

&lt;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

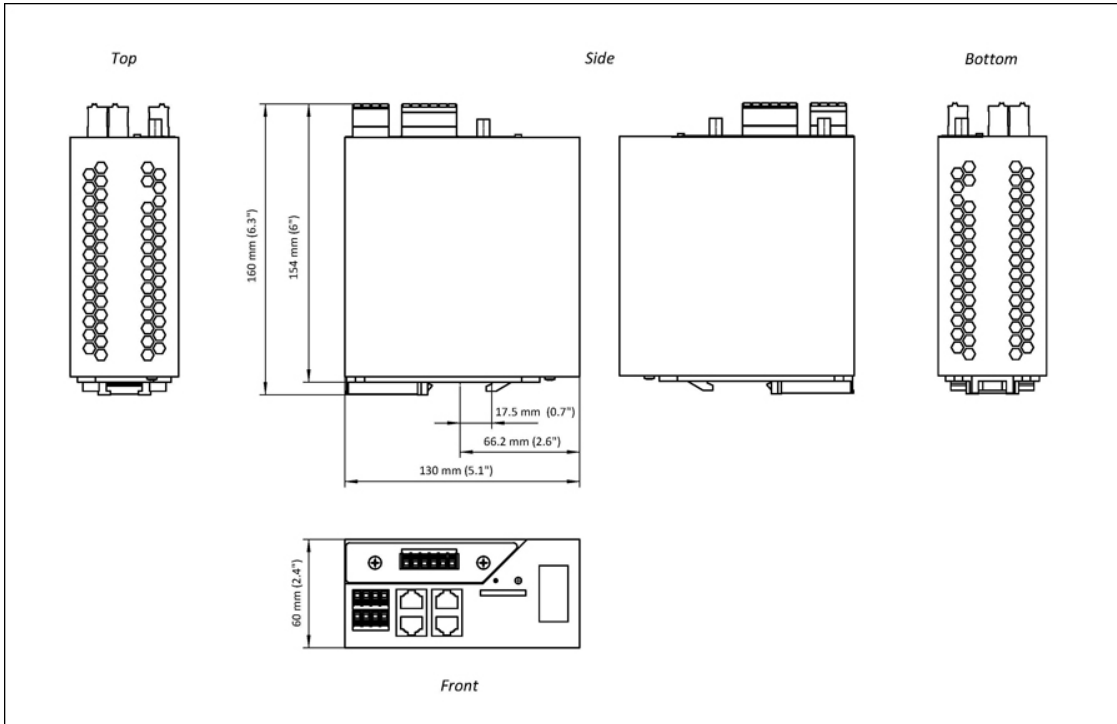
**+ Warranty****Length**

Limited Lifetime

**Details**[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)**+ What's Included****Device**

Ethernet Extender

## Dimensions



## Ordering Info

### + Model

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

