

# ED20KEXT

10/100BASE-TX Ethernet Extender



## Highlights

### + Your Advantages

- Distances up to 12.4 miles (20km)
- Up to 15.3Mbps in 2-wire operation
- Robust modulation method (SHDSL)
- Automatic SHDSL data rate detection
- Network transparent (no IP configuration required)
- Automatic network data rate detection (10/100Mbps)
- Easy startup, plug and play
- Alarm and signal output
- Remote diagnostics via IP and automatic event messages via SNMP

## Overview

EtherWAN's ED20KEXT is a managed Ethernet extender with point-to-point connections, data rates of up to 15.3Mbps, distances of up to 12.4 miles (20km) on in-house copper cables, replaceable surge protection, 1 SHDSL port, 1 LAN port, and diagnostics via 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

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  
1 x 10/100Base-T(X)

Extender Ports  
1 x RJ45 socket

LED Indicators  
Power, Surge Protection, DSL, Device Information

### + 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  
80mA (60VDC)  
200mA (24VDC)  
380mA (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

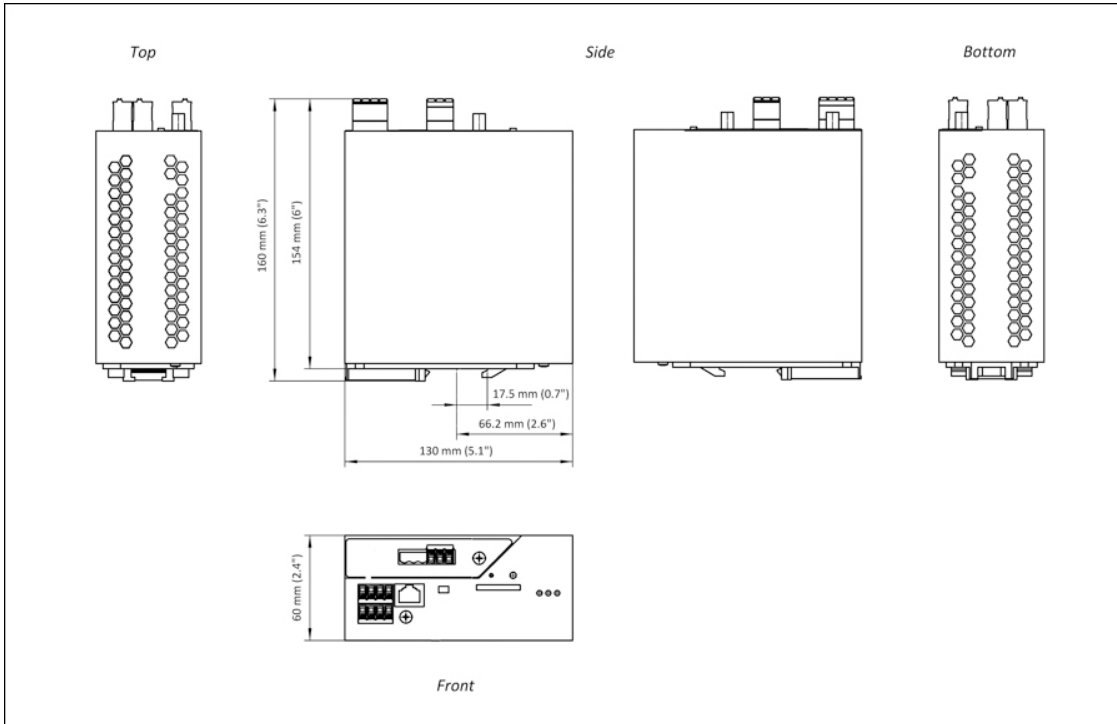
**Length**  
Limited Lifetime

**Details**  
[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

## + What's Included

**Device**  
Ethernet Extender

## Dimensions



## Ordering Info

### + Model

**ED20KEXT** Managed 10/100BASE-TX Ethernet Extender with 1 SHDSL port + 1 LAN port

