

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: 0.2mm²; Max: 1.5mm²
Conductor cross section flexible: Min: 0.2mm²; Max: 2.5mm²
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

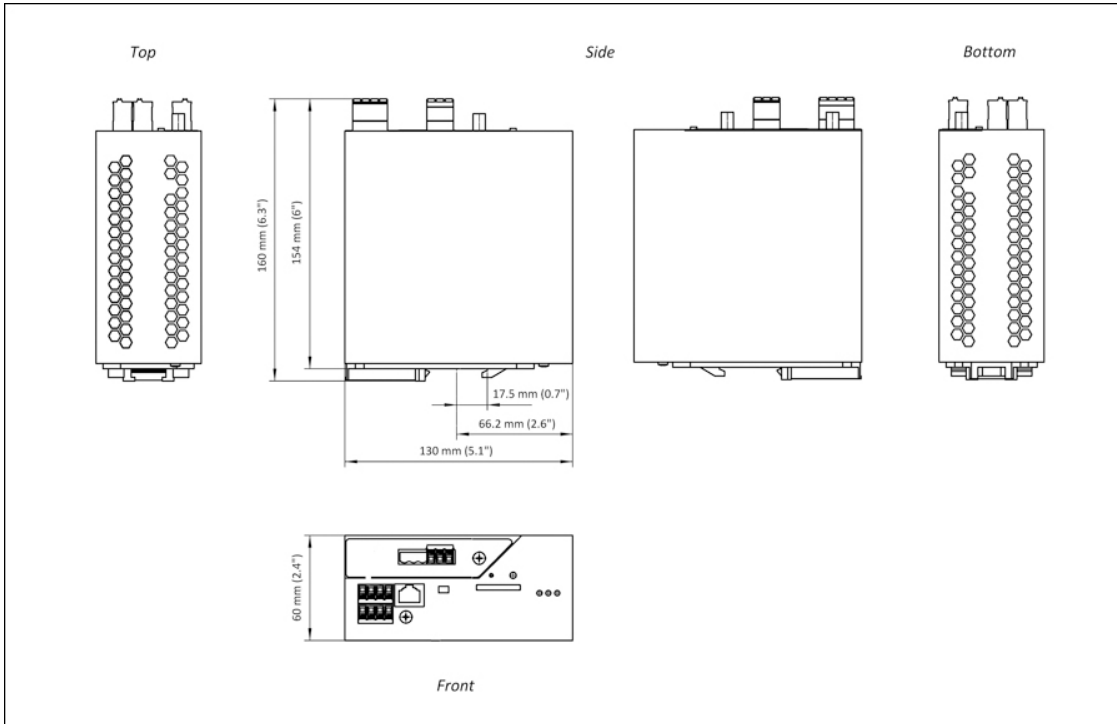
Length
Limited Lifetime

Details
www.etherwan.com/support/warranty-policy

+ What's Included

Device
Ethernet Extender

Dimensions



Ordering Info

+ Model

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

