

# VDTU2-B130

## VDSL2 LAN Extender

### 1-port VDSL2 Gigabit LAN Extender



The VDSL2 Gigabit LAN Extender, VDTU2-B130 supports an aggregated bandwidth up to 300Mbps (Downstream: 150 Mbps/ Upstream/150 Mbps) and delivers fiber-optic like speeds on existing copper infrastructure. The VDTU2-B130 is equipped with 1x 10/100/1000Base-T RJ-45 ports and 1x VDSL2 RJ-45. Built in a plastic enclosure. Symmetric profiles can be applied as a long-reach Ethernet connection up to 3,000 meters, while Asymmetric profiles can be used for other services such as Video streaming or IP surveillance services which require high traffic flow in one direction. The VDTU2-B130 supports transparent LAN bridging to extend Ethernet service over UTP, Cat 5+ cables or simple single pair telephone cable. It is the best high throughput Long Reach Ethernet Extender for service providers when deploying their IP-based networking services to meet various application scenarios.

### Features

- High speed Ethernet extension over UTP, CAT 5e/6/7
- Supports ITU-T G.993.5 G.Vectoring and G.INP
- Selectable profile setting via Dip switch
- Supports VDSL2 profile 35b/30a/17a
- IEEE 802.1Q VLAN tag transparent.
- Cost effective bridge function to connect two Ethernet LAN
- May be concentrated into FMC-CH17 chassis

### Specifications

<b>VDSL2 Interface</b>	RJ45 connector DMT Encoding On-board surge protection
<b>LAN Interface</b>	1x RJ45 connector 10/100/1000 Base-T, Auto-Negotiation, Auto-MDI/MDI-X Complying with IEEE 802.3/802.3u/802.3z
<b>4-position DIP Switch</b>	Selectable Master(CO) or Remote(RT) mode Selectable Symmetric or Asymmetric mode Selectable G.INP or Interleave mode Selectable SNR High and SNR Low
<b>LED</b>	System power CO/RT mode VDSL2 link status Ethernet link status
<b>Power Supply</b>	12~24 VDC over 2.1mm DC Jack Power Consumption: 4.5 Watts (Max)
<b>Environment</b>	Operating Temperature: 0°C ~45°C, Humidity: 0%~95%RH (non-condensing)
<b>Physical Characteristics</b>	Dimension (W × H × D): 94.5 × 23.0 × 72.5 mm, Weight: 110g
<b>Certification</b>	FCC, CE

## Performance

UTP, 26AWG				
Distance (Feet)	Symmetric, SNR Low, G.INP		Asymmetric, SNR Low, Interleave	
	Upstream Line Rate(Mbps)	Downstream Line Rate(Mbps)	Upstream Line Rate(Mbps)	Downstream Line Rate(Mbps)
500	146	162	64	284
1,000	116	112	59	171
2,000	35	61	31	67
3,000	28	30	10	35

**NOTE:** The above performance data is for reference only, the actual data rate may vary depending on the quality of the copper wire and environmental conditions.

## Application



## Ordering Information

Model Name	Description
VDTU2-B130	1-port VDSL2 Gigabit LAN Extender with AC Power Adapter