



Remote

Local

VDTU2A-104-4PH

4-Port PoE Ethernet Extender with Power Feeding (Phone Line)

VDTU2A-104-4PH are a pair of devices that support remote power feeding to a non-managed Fast Ethernet PoE (Power over Ethernet) switch and provides Ethernet LAN extension up to 1.2km. Housed in a rugged metal chassis, the LAN extender provides an excellent solution in IP surveillance networks to extend both Ethernet and power over a simple single pair telephone wire. Up to 4 remote IP cameras (or other PoE PD devices) may be powered, with a maximum budget of 40 watts PoE available, without the requirement to run any extra electrical power lines. Standard operating temperature range is -20 to 50°C.

Features

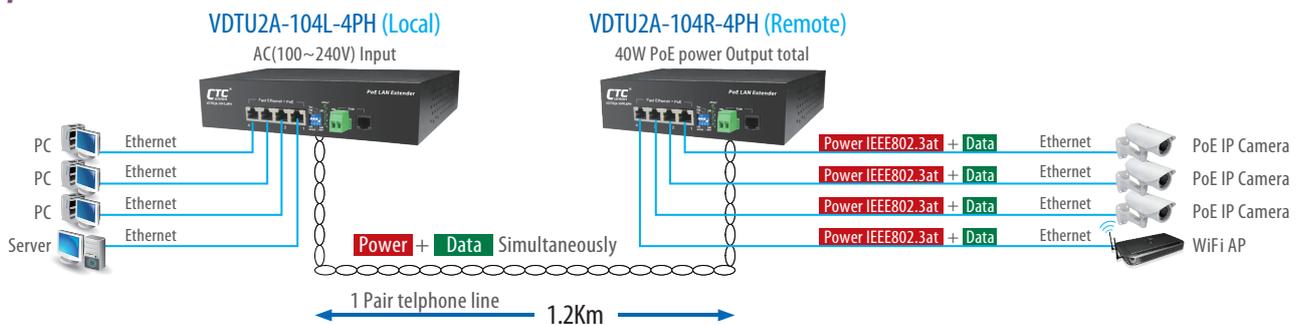
- Local unit accepts universal AC power
- Remote power feeding eliminates the need for power service at remote unit
- IP30 rugged metal housing
- 4 port with IEEE 802.3af/at PSE at remote (40W budget)
- Remote power feeding and data operate over one twisted pair over up to 1200 meters
- Simple DIP switch setting to set and forget
- Twisted pair with auto polarity detection for easy installation
- Twisted pair connects with terminal block or RJ-11

Specifications

Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x Flow Control and Back Pressure IEEE802.3af/at PoE															
Data Architecture	Store and Forward															
PoE RJ-45 pin assignment (VDTU2A-104R-4PH)	RJ-45 port 1~ 4 support IEEE 802.3af/at Positive (VCC+): RJ-45 pin 4, 5 Negative (VCC-): RJ-45 pin 7, 8 Data (1,2,3,6)															
PoE standard	IEEE802.3af/at (VDTU2A-104R-4PH)															
Connector	RJ11 x 1 or Terminal block x 1 for Twisted pair Phone line 4-Port RJ-45 for 10/100Base-TX Ethernet, and IEEE802.3 af/at PoE (PoE port only for VDTU2A-104R-4PH)															
Ethernet Cable	UTP/STP above Cat. 5e cable, EIA/TIA-568 100-ohm (100m)															
Phone line cable	Phone twisted pair above AWG24															
Power deliver	Distance : 1200Meter by Twisted pair Phone line PoE 40Watt totally Supports PTZ IP cam															
Power feeding Watt	Power feeding by Phone line up to 40W for Total @1,200KM, Supports Per Ethernet port up to IEEE802.3at 30W maximum															
Performance and Power feeding	Phone line Distance vs Speed and Power															
	<table border="1"> <tr> <td>Distance (Meter)</td> <td>300</td> <td>600</td> <td>900</td> <td>1200</td> </tr> <tr> <td>Throughput Down load /Up load</td> <td>45/81</td> <td>29/62</td> <td>15/43</td> <td>6.5/28</td> </tr> <tr> <td>Power feeding by Phone line</td> <td>40W</td> <td>40W</td> <td>40W</td> <td>40W</td> </tr> </table>	Distance (Meter)	300	600	900	1200	Throughput Down load /Up load	45/81	29/62	15/43	6.5/28	Power feeding by Phone line	40W	40W	40W	40W
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Throughput Down load /Up load	45/81	29/62	15/43	6.5/28												
Power feeding by Phone line	40W	40W	40W	40W												
	Tested under room temperature 25°C; 24AWG twisted-pair cable															
Power Input	100~240VAC (VDTU2A-104L-4PH)															

DIP SW	DIP SW	SW 1 CO / CPE	SW 2 Transmitt Mode (1) Fast	SW 3 Transmitt Mode (2) Symmetric	SW 4 Signal S/N 6 dB
	ON	CO	Fast	Symmetric	6 dB
	OFF	CPE	Interleave	Asymmetric	9 dB
LED	RJ-45 Per port 1~4 : Link/Active (Green) Power : Green (ON: Device Power ON) CO LED OFF: Act as CPE, ON: Act as CO Link(Phone) On: Link, Flash: Linking on going, Off: disconnect				
Operating Temperature	-20 ~ 50°C				
Dimensions	VDTU2A-104L-4PH : 190 x 200 x 48 mm (D x W x H) VDTU2A-104R-4PH : 170 x 170 x 44 mm (D x W x H)				
Housing	Metal Case				
Weight	1.3KG (VDTU2A-104L-4PH) 1.0KG (VDTU2A-104R-4PH)				
Operating Humidity	5 ~ 95% (Non-condensing)				
Installation	Desk and Wall Mounting				
Short circuit protection	Present (Phone line Power feeding short circuit protection)				
Surge protection for Phone, Network Line	EN61000-4-5 Level 3 Criterial B (Line to Ground 2KV)				
Reverse polarity protection	Phone line DC Power feeding polarity protection RJ-45 Network Line PoE DC Power polarity protection				
Certification	CE, FCC				
EMI	FCC Part 15 Subpart B Class B, EN 55022 Class B				

Application



Ordering Information

Model Name	Description
VDTU2A-104-4PH	Ethernet Extender by phone line With Power Feeding and PoE (VDTU2A-104L-4PH and VDTU2A-104R-4PH)

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.