LX100

10/100 Base-TX LAN Extender

CTC's LAN Extender pair (LX100) can extend data beyond the 100 meters limitation of standard Ethernet. The paired units work in a point-to-point topology over 1 or 2 pair unshielded twisted pair (UTP) cabling up to 800 meters. These products can extend your 10/100Mbps Ethernet network by up to 800m over UTP cable or RJ11 phone lines.

Features

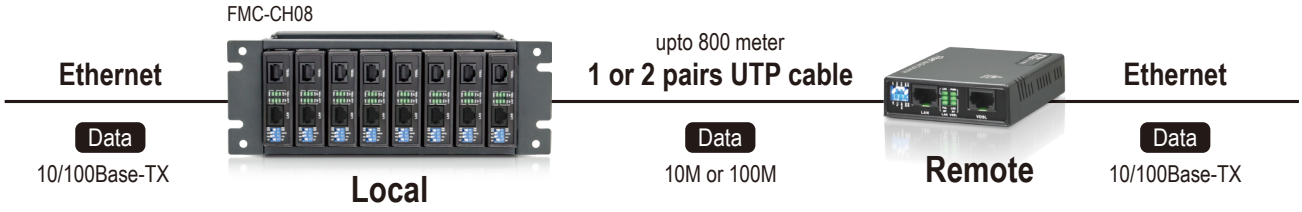
- Long distance data transmission up to 800 meter on 1/2 pair UTP cable
- Quick deployment and easy maintenance

Specifications

Standard	IEEE 802.3, 802.3u	
Connector	LX100-L (Local unit)	1x10/100Base-TX RJ45 LAN pot
		1x RJ-45 WAN port
	LX100-R (Remote unit)	1x10/100Base-TX RJ45 LAN pot
		1x RJ-45 WAN port
Dip Switch	LX100-L (Local unit)	SW 1 : Link Fault Pass Through (LFPT)
		Off: Disable/On: Enable
		SW 2 : Line Speed
		Off: Auto/On:
	LX100-R (Remote unit)	SW 1 : Link Fault Pass Through (LFPT)
		Off: Disable/On: E
LED	LX100-L (Local unit)	Power (Green)
		LFPT (Amber)
		LAN Link active (Green)
		Line Speed/Link active 10M(Amber)
		100M(Green)
	LX100-R (Remote unit)	Power (Green)
		LFPT (Amber)
		LAN Link active (Green)
		Line Speed/Link active 10M(Amber)
		100M(Green)

Data Rate	The line speed between LX100-L and LX100-R will be 10M or 100M that depend on extension length The Lan speed of LX100-R is same with line speed
Cable	1 or 2 pair UTP cable Cat.5e, Cat. 6
Operating Temperature	0 ~ 50°C
Storage Temperature	-10 ~ 70°C
Humidity	5% ~ 90% (non-condensing)
Power Input	12VDC
Power Consumption	TBD
Dimensions	23 × 96.5 × 73.4mm (W×D×H)
Weight	120g
MTBF	65000 hrs
Certification	FCC, CE

Application



Ordering Information

Model Name	Description
LX100L	10/100Base-TX Ethernet LAN Extender (Local Unit)
LX100R	10/100Base-TX Ethernet LAN Extender (Remote Unit)

- Chassis (Option)

Model Name	Description
FMC-CH17-AC	2U, 19", 17-Slot Chassis with AC Power
FMC-CH17-DC	2U, 19", 17-Slot Chassis with DC Power
FMC-CH17-AD	2U, 19", 17-Slot Chassis with AC+DC Power
FMC-CH08-AC	2U, 10", 8-Slot Rack with 10" Rack Mount Ear and AC Power
FMC-CH08-DC	2U, 10", 8-Slot Rack with 10" Rack Mount Ear and DC Power

SFP-VDSL-C/R

SFP LAN Extender

SFP Ethernet Extender Module is an extremely compact LAN extender which is built in SFP format and can be plugged into the SFP port on any Gigabit Ethernet switch, media converter or network appliance. When a "C" model is paired with an "R" model, the devices are plug and play, offering 100M/100M throughput using only a single twisted pair cable (telephone line), up to 400 meters or 1M/1M up to 3km. SFP Ethernet Extender Module will find its applications where a telephone line exists and it is not practical to run Ethernet UTP or when the distance exceeds the 100 meters reach of normal Ethernet.

Features

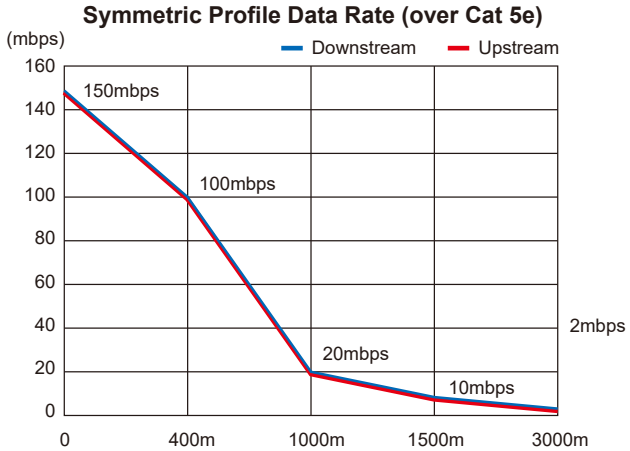
- Industry Standard Small Form-Factor Pluggable (MSA compliant)
- SFP Ethernet Extender Module Range 3km over phone wire or UTP cable
- Industrial Wide -20°C to 75°C temperature range operation

Specifications

Hardware	RJ-45
	SERDES connect to host
	LED 1 (CO/CPE indicator)
	LED 2 (PWR/ Link Status indicator)
Software	Self Boot & Managed by Internal Flash
	Linux driver for managed devices
Power Requirement	3.3V, 700mA

Environment	Operating Temperature	-20 ~ +75°C
	Storage Temperature	-40 ~ +85°C
	Operating Humidity	5% to 90% (non-condensed)
	Storage Humidity	5% to 95% (non-condensed)
	ESD Standards	Contact: +/- 4KV Air: +/- 8KV (EN61000-4-2)
	Radiated RFI Standards	Strength : 10V/m (EN61000-4-3)
	EFT/BURST Standards	Power:2KV Signal : 1KV (EN 61000-4-4)
	Surge Immunity Standards	Power : 2KV Signal : 1KV (EN 61000-4-5)
Certification	CE / FCC	

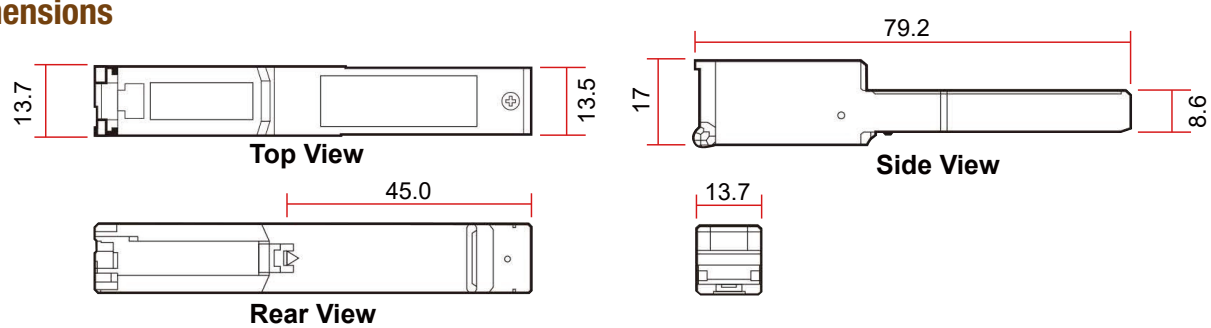
Performance



SFP Ethernet Extender Performance

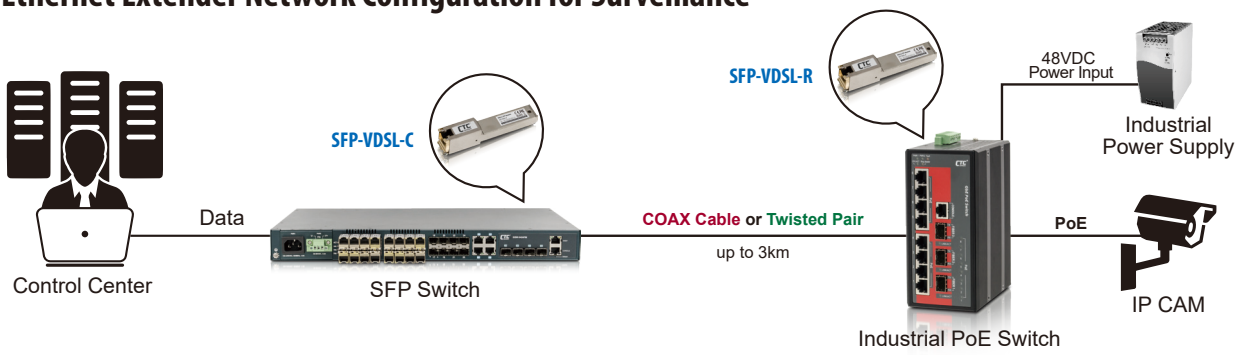
AWG#26 (0.4mm)			AWG#24 (0.5mm)			AWG#22 (0.65mm)		
Distance (Meter)	Upload (Mbps)	Download (Mbps)	Distance (Meter)	Upload (Mbps)	Download (Mbps)	Distance (Meter)	Upload (Mbps)	Download (Mbps)
70m	157.7	157.7	70m	157.7	157.7	70m	157.7	157.7
300m	116.7	117.4	300m	137.3	141.5	300m	140.5	148.7
600m	51.4	54.4	600m	69.9	68.2	600m	78.3	81.2
900m	26.2	29.2	900m	36.5	44.2	900m	40.9	52.6
1200m	13.7	21.5	1200m	22.6	26.4	1200m	25.3	31.4
1500m	8.6	12.1	1500m	14.7	20	1500m	16.5	23.8
1800m	6.8	8.4	1800m	10.3	13	1800m	11.5	15.5
2100m	2.7	8	2100m	8.3	9.3	2100m	9.3	11.1
2400m	3.2	7.5	2400m	6.2	8	2400m	6.9	10.1
2700m	2.4	6.4	2700m	3.7	7.7	2700m	4.4	9.3
3000m	1.8	5.1	3000m	2.9	7	3000m	3.8	8.5
3300m	1.3	3.5	3300m	2.9	6.3	3300m	3.2	7.6
3600m	1.1	1.8	3600m	2.5	5.1	3600m	2.8	6.2
3900m	0.9	1	3900m	2.1	3.9	3900m	2.4	4.7
			4200m	1.9	2.8	4200m	2.1	3.4
			4500m	1.2	1.7	4500m	1.6	2.1
			4800m	1.4	1.1	4800m	1	1.3
						5100m	0.8	1

Dimensions

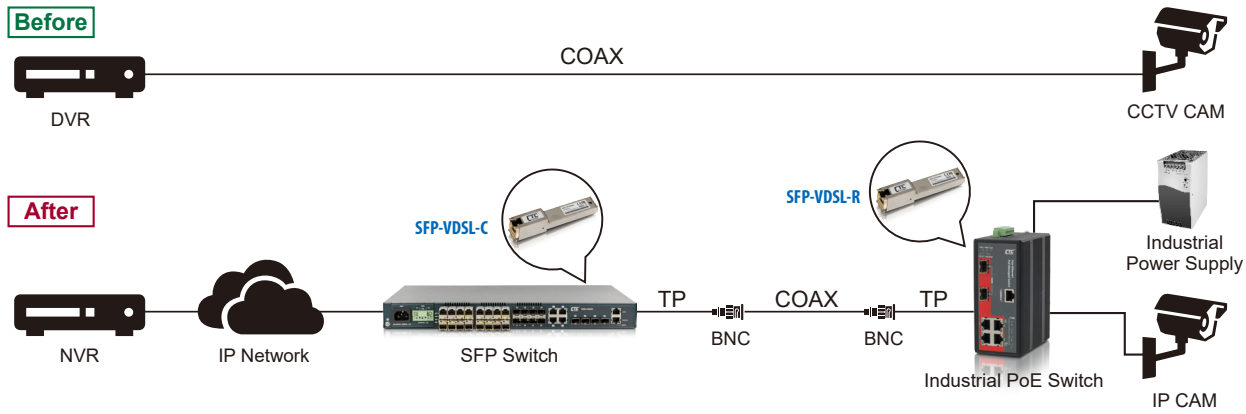


Application

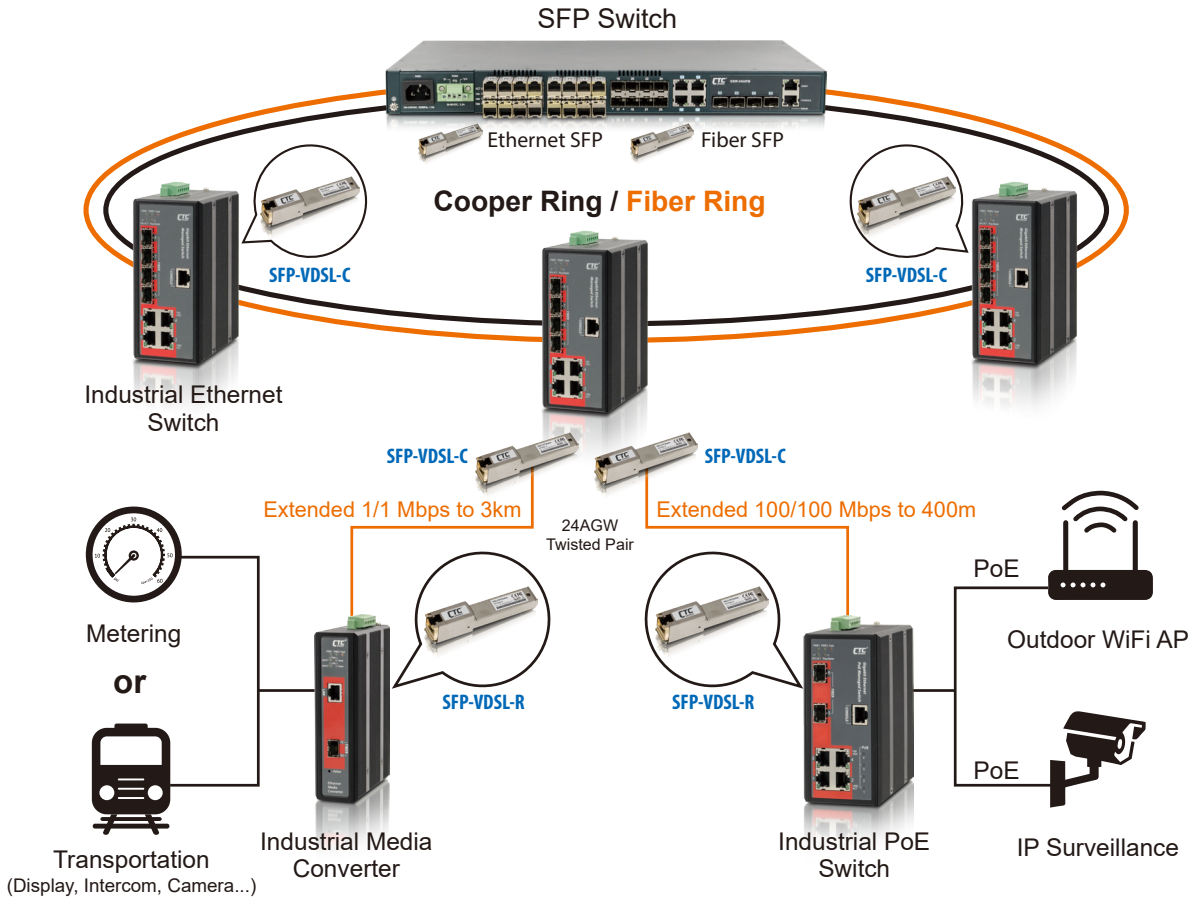
1. Ethernet Extender Network Configuration for Surveillance



2. CCTV to IP-Surveillance Conversion



3. Ethernet Long Reach Over Copper Pair



Ordering Information

Model Name	Description
SFP-VDSL-C	SFP Ethernet Extender Co side Lan pluggable module
SFP-VDSL-R	SFP Ethernet Extender Remote side Lan Pluggable module

VDTU2-B140

4-port Gigabit VDSL2 LAN Extender

The VDTU2-B140 is a Gigabit Ethernet Copper Extender that 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-B140 is equipped with 4x 1000Base-T RJ-45 ports and 1x VDSL2 RJ-45 or 2-PIN Terminal Block. Built in a metal enclosure, it provides for easy installation in harsh environments. Eight different profile settings can be selected via dip switches to flexibly suit various applications and environments. Symmetric profiles can be applied as a standard Ethernet connection, 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-B140 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 in harsh environments.

Features

- High speed Ethernet extension over UTP, CAT 5e/6/7.
- Supports ITU-T G.993.5 G.vectoring and G.INP
- Selectable 8 different profile settings via Dip Switch (G.INP/ Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)
- Compatible with third-party VDSL2 IP DSLAM when operates in CPE(RT) mode
- Cost effective bridge function to connect two Ethernet LAN
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play in harsh environment

Specifications

VDSL Interface	RJ-45 or 2-PIN Terminal Block	
	DMT Encoding	
	Complying with ITU-T G993.1/G993.2/993.5/G.997.1/G.998	
	G.INP	
	On-board surge protection	
LAN Interface	4 x RJ-45	
	10/100/1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X.	
	Complying with IEEE 802.3/802.3u/802.3z	
4-position DIP Switch	Selectable Master (OT) or Remote (RT) mode	
	Selectable 8 different profile settings via Dip Switch (G.INP/ Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)	
LED	Power:	On/Off
	LAN:	Fast Ethernet/Gigabit Ethernet
	VDSL2:	Mode – CO (OT) / CPE (RT)
		Sync - Idle / Trained / Link
Power supply	VDTU2-B140:	12 VDC with Commercial Grade External Power Adaptor
	VDTU2-B140-DC :	12~24 VDC T2 terminal block
	Power Consumption:	4.5 Watts maximum
Dimension :	130 × 28 × 94.7mm (W×D×H)	
Operating Temperature:	-20°C ~65°C	
Humidity:	0%~95%RH (non-condensing)	

Standards and Certifications	CE Class A
	FCC Part 15B Class A

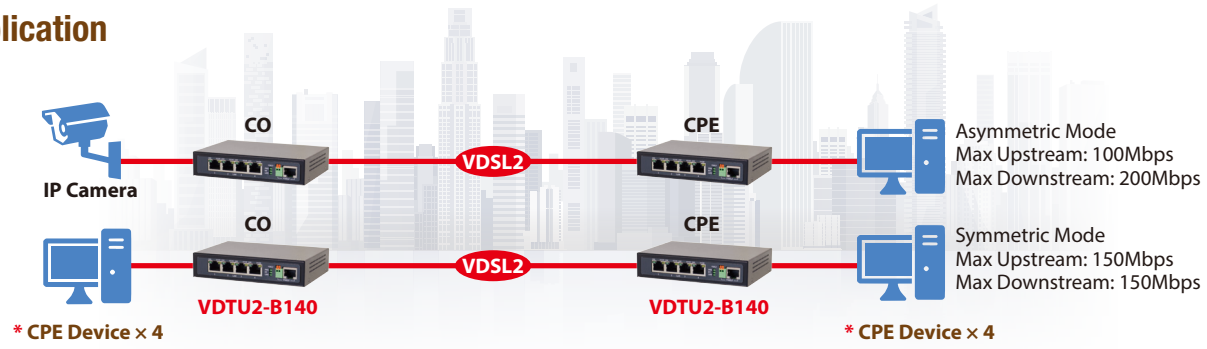
Performance

UTP, 26AWG Profile Setting 1: Symmetric, SNR 8dB, G.INP		
Distance (Feet)	**Upstream Line Rate (Mbps)**	**Downstream Line Rate (Mbps)**
500	155	158
1,000	122	126
1,500	75	80
2,000	48	56
2,500	28	38
3,000	23	28

UTP, 26AWG Profile Setting 1: Asymmetric, SNR 8dB, G.INP		
Distance (Feet)	**Upstream Line Rate (Mbps)**	**Downstream Line Rate (Mbps)**
500	100	200
1,000	77	170
1,500	38	105
2,000	22	64
2,500	10	43
3,000	9	42
4,000	6	34

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

Application



Ordering Information

Model Name	Description
VDTU2-140	4-port Gigabit VDSL2 LAN Extender with AC Power Adapter
VDTU2-140-DC	4-port Gigabit VDSL2 LAN Extender (12~24 VDC T2 Terminal Block)

VDTU2-B120

1-port Gigabit VDSL2 LAN Extender

The VDTU2-B120 is a Gigabit Ethernet Copper Extender that 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-B120 is equipped with 1x 1000Base-T RJ-45 ports and 1x VDSL2 RJ-45 or 2-PIN Terminal Block. Built in a metal enclosure, it provides for easy installation in harsh environments. Eight different profile settings can be selected via dip switches to flexibly suit various applications and environments. Symmetric profiles can be applied as a standard Ethernet connection, 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-B120 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 in harsh environments.

Features

- High speed Ethernet extension over UTP, CAT 5e/6/7.
- Supports ITU-T G.993.5 G.vectoring and G.INP
- Selectable 8 different profile settings via Dip Switch (G.INP/ Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)
- Compatible with third-party VDSL2 IP DSLAM when operates in CPE(RT) mode
- Cost effective bridge function to connect two Ethernet LAN
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play in harsh environment

Specifications

VDSL Interface	RJ-45 or 2-PIN Terminal Block	
	DMT Encoding	
	Complying with ITU-T G993.1/G993.2/993.5/G.997.1/G.998	
	G.INP	
	On-board surge protection	
LAN Interface	1 x RJ-45	
	10/100/1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X.	
	Complying with IEEE 802.3/802.3u/802.3z	
4-position DIP Switch	Selectable Master (OT) or Remote (RT) mode	
	Selectable 8 different profile settings via Dip Switch (G.INP/ Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)	
LED	Power:	On/Off
	LAN:	Fast Ethernet/Gigabit Ethernet
	VDSL2:	Mode – CO (OT) / CPE (RT)
		Sync - Idle / Trained / Link
Power supply	VDTU2-B120:	12 VDC with Commercial Grade External Power Adaptor
	VDTU2-B120-DC :	12~24 VDC T2 terminal block
	Power Consumption:	3.8 Watts maximum

Dimension :	94.6 × 72.5 × 23 mm (W×D×H)
Operating Temperature:	-20°C ~65°C
Humidity:	0%~95%RH (non-condensing)
Standards and Certifications	CE Class A
	FCC Part 15B Class A

Performance

UTP, 26AWG				
Distance (m)	Profile Setting 1: Symmetric, SNR 8dB, G.INP		Profile Setting 1: Asymmetric, SNR 8dB, G.INP	
	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)
150	155	158	100	200
300	122	126	54	129
450	75	80	49	112
600	48	56	39	84
750	28	38	23	60
900	23	28	11	45
1200	x	x	6	40

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

Application

Ordering Information

Model Name	Description
VDTU2-120	1-port Gigabit VDSL2 LAN Extender with AC Power Adapter
VDTU2-120-DC	1-port Gigabit VDSL2 LAN Extender (12~24 VDC T2 Terminal Block)

NEW

IEXT101-PH

1× 10/100Mbps RJ45 Ethernet Extender with PoE

CTC's Industrial Grade LAN Extender pair (IEXT101-PH) can extend data and IEEE802.3at PoE+ beyond the standard 100 meters limitation of standard Ethernet. The paired units work in a point-to-point topology over 2 or 4 pair unshielded twisted pair (UTP) cabling up to 800 meters.

The local unit is provided with 55-57VDC and feeds both power and data to the remote unit. The remote unit is then able to provide 10/100Base-TX Ethernet and up to 30 watts via 802.3af/at standard or may be provisioned for 'passive PoE' i.e., always on, for non-standard PoE applications. These devices are ideal when there is no power available at the remote side or where providing power at the remote is difficult or expensive. These products are particularly designed for harsh environments, such as industrial networking, traffic surveillance, security automation applications, IP surveillance, city security, intelligent transportation systems (ITS) and are also suitable for many military or utility market applications where environmental conditions exceed commercial product specifications.

Features

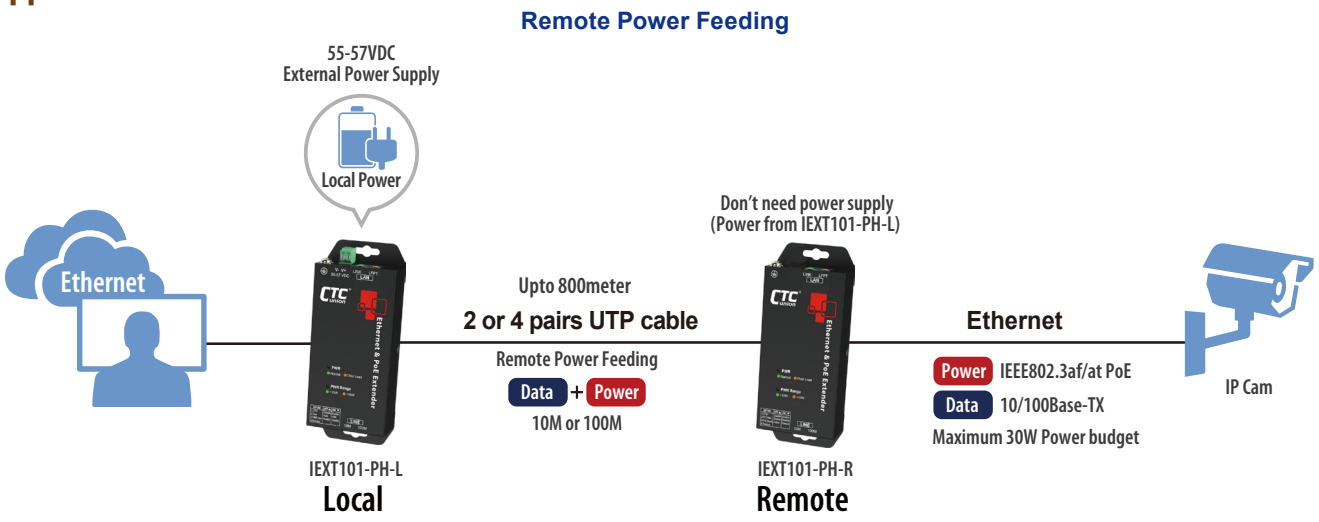
- Long distance data transmission and remote power feeding up to 800 meter on 2/4 pair UTP cable (see figure 1)
- Supports standard IEEE802.3af/at or passive PoE devices
- Eliminates the need for any power supply at the remote side
- Quick deployment and easy maintenance
- Maximum PoE power budget of 30W
- 4KV surge protection for PoE, UTP
- Railway EN50121-4, Heavy Industrial EN61000-6-2, EN61000-6-4, CE, and FCC certified
- Wide operating temperature range, -40~75°C, for use in harsh environments

Specifications

Hardware Interfaces	**Standard**	
	IEEE 802.3	10Base-T
	IEEE 802.3u	100Base-TX
	IEEE 802.3af	PoE
	IEEE 802.3at	PoE+
Network Connector	**IEXT101-PH-L (Local unit)** 2 pin Terminal Block for power input connector 1 RJ45 for LAN 10/100Base-TX Ethernet port 1 RJ-45 for extension distance and delivery power and communication data to remote unit	
	IEXT101-PH-R (Remote unit) 1 RJ45 for LAN 10/100Base-TX Ethernet and PoE PD, 1 RJ-45 for long distance receiving power and communication data from local unit	
Dip Switch	**IEXT101-PH-L (Local unit)**	
	SW 1: Power over line	Off: Enable On: Disable
	SW 2 : Link Fault Pass Through (LFPT)	Off: Disable On: Enable
	SW 3 : Line Speed	Off: Auto On: 10M
	IEXT101-PH-R (Remote unit)	
	SW 1: PoE for PD	Off: Enable On: Disable
	SW 2 : Link Fault Pass Through (LFPT)	Off: Disable On: Enable
	SW 3 : PoE PD mode	Off: Standard PoE On: Passive PoE
LED	**IEXT101-PH-L (Local unit)** Power (Green) Delivery Power Range <15W (Amber), >15W (Green) LFPT (Amber) LAN Link active (Green) Line Speed/Link active 10M(Amber), 100M(Green)	
	IEXT101-PH-R (Remote unit) Power (Green) PoE Power Range for PD <15W (Amber), >15W (Green) LFPT (Amber) LAN Link active (Green) Line Speed/Link active 10M(Amber), 100M(Green)	
Data rate	The line speed between IEXT101-L and IEXT101-R will be 10M or 100M that depend on extension length or set by DIP SW. The Lan speed of IEXT101-R is same with line speed (extension port). (Please ref figure 1)	
Cable	2 or 4 pair UTP cable Cat.5e, Cat. 6 (See Table 1 for Transmitting rate and PoE power budget by difference length) (Please ref figure 1)	

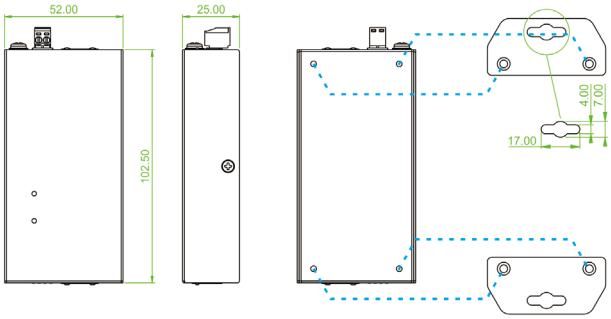
Operating Temperature	-40°C to 75°C
Storage Temperature	-40°C to 85°C
Humidity	10% - 95% (non-condensing)
Power Supply	55~57VDC Input power (2pin Removable Terminal Block)
Power Consumption	TBD
Housing	Rugged Metal, IP30 Protection and fanless
Dimensions	102.5 × 52 × 25 mm (D×W×H)
Weight	TBD
Installation Mounting	Wall Mounting
MTBF	TBD
Certification	
EMC	CE (EN55032, EN55035)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A,CE
Railway Traffic	EN50121-4
Immunity for HeavyIndustrial Environment	EN61000-6-2
Emission for HeavyIndustrial Environment	EN61000-6-4
EMS (Electromagnetic Susceptibility) Protection Level	EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (Burst) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A
Safety	EN62368-1 (Pending)
4KV surge protection	Supported for PoE, UTP
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6
Transmitting rate and PoE Power budget	
Table 1	TBD
Upto 800meter	
Power Budget	TBD

Application



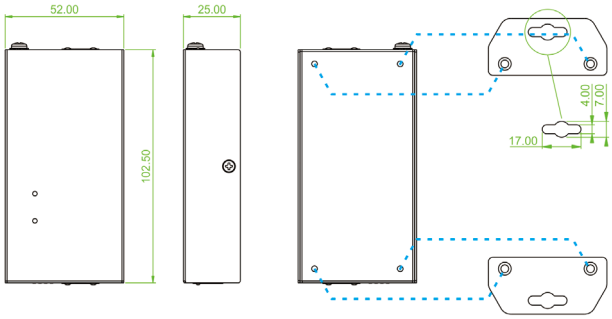
Dimensions

IEXT101-PH-L



Front View Side View Rear View Wall-Mount Kit View

IEXT101-PH-R



Front View Side View Rear View Wall-Mount Kit View

Ordering Information

Model Name	Local/ Remote Unit	LAN port (Local unit)	Line Port (Extension port)	Lan Port With PoE (Remote unit)		Power input	Certification		
		10/100 Base-TX	10/100M (Upto 800meter)	10/100Base-TX	Power Budget for PD		EN50121-4	EN61000-6-2 EN61000-6-4	CE/ FCC
IEXT101-PH	IEXT101-PH-L	1	1			55~57VDC	V	V	V
	IEXT101-PH-R		1	1	5W~30W	Power from IEXT101-PH-L	V	V	V

■ *Package List*

- 1 pair of the device (1 local unit IEXT101-PH-L, and 1 remote unit IEXT101-PH-R)
- 2 pin terminal block

Optional Accessories

■ *Industrial Power Supply*

NDR-120-48	Industrial Power, Input 90 ~ 264VAC / 127 ~ 370VDC, Output 48 VDC, 120W, -20 ~ +70℃

Note: Please adjust the NDR-120-48 output voltage to 55VDC for better performance.

NEW

IEXT101

1× 10/100Mbps RJ45 Ethernet Extender

CTC's Industrial Grade LAN Extender pair (IEXT101) can extend data beyond the standard 100 meters limitation of standard Ethernet. The paired units work in a point-to-point topology over 1 or 2 pair unshielded twisted pair (UTP) cabling up to 800 meters.

These products are particularly designed for harsh environments, such as industrial networking, traffic surveillance, security automation applications, IP surveillance, city security, intelligent transportation systems (ITS) and are also suitable for many military or utility market applications where environmental conditions exceed commercial product specifications.

Features

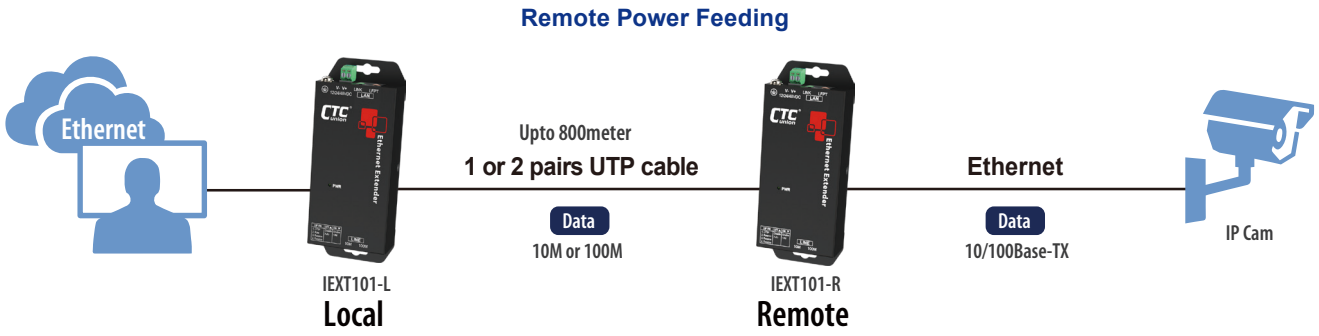
- Long distance data transmission up to 800 meter on 1/2 pair UTP cable (see figure 1)
- Quick deployment and easy maintenance
- Railway EN50121-4, Heavy Industrial EN61000-6-2, EN61000-6-4, CE, and FCC certified
- 4KV surge protection for UTP
- Wide operating temperature range, -40~75°C, for use in harsh environments

Specifications

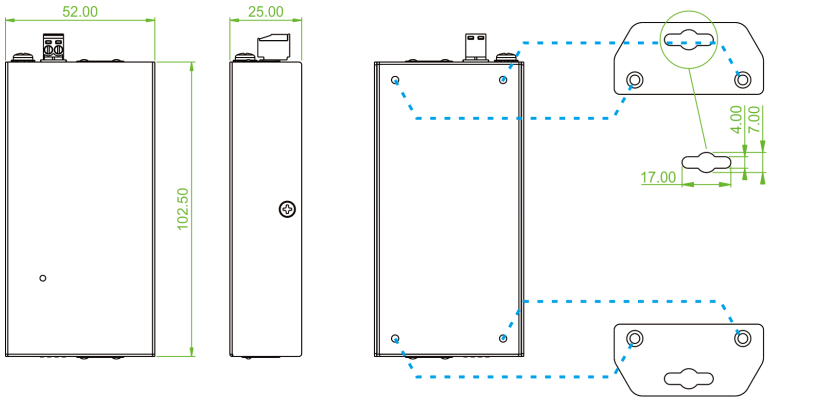
Hardware Standard Interfaces	IEEE 802.3	10Base-T
	IEEE 802.3u	100Base-TX
Network Connector	**IEXT101-L (Local unit)** 2 pin Terminal Block for power input connector 1 RJ45 for LAN 10/100Base-TX Ethernet port 1 RJ-45 for extension distance and communication data to remote unit	
	IEXT101-R (Remote unit) 2 pin Terminal Block for power input connector 1 RJ45 for LAN 10/100Base-TX Ethernet 1 RJ-45 for long distance communication data from local unit	
Dip Switch	**IEXT101-L (Local unit)**	
	SW 1 : Link Fault Pass Through (LFPT)	Off: Disable On: Enable
	SW 2 : Line Speed	Off: Auto On: 10M
	IEXT101-R (Remote unit)	
	SW 1 : Link Fault Pass Through (LFPT)	Off: Disable On: Enable
LED	**IEXT101-L (Local unit)** Power (Green) LFPT (Amber) LAN Link active (Green) Line Speed/Link active 10M(Amber), 100M(Green)	
	IEXT101-R (Remote unit) Power (Green) LFPT (Amber) LAN Link active (Green) Line Speed/Link active 10M(Amber), 100M(Green)	
Data rate	The line speed between IEXT101-L and IEXT101-R will be 10M or 100M that depend on extension length or set by DIP SW. The Lan speed of IEXT101-R is same with line speed (extension port). (Please ref figure 1)	
Cable	1 or 2 pair UTP cable Cat.5e, Cat. 6 (See Table 1 for Transmitting rate by difference length) (Please ref figure 1)	
Operating Temperature	-40°C to 75°C	
Storage Temperature	-40°C to 85°C	
Humidity	10% - 95% (non-condensing)	
Power Supply	12/24/48VDC (9.6~60VDC) Input power (2pin Removable Terminal Block)	
Power Consumption	TBD	
Housing	Rugged Metal, IP30 Protection and fanless	
Dimensions	102.5 × 52 × 25 mm (D×W×H)	
Weight	TBD	
Installation Mounting	Wall Mounting	
MTBF	TBD	

Certification	
EMC	CE (EN55032, EN55035)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A,CE
Railway Traffic	EN50121-4
Immunity for HeavyIndustrial Environment	EN61000-6-2
Emission for HeavyIndustrial Environment	EN61000-6-4
EMS (Electromagnetic Susceptibility) Protection Level	EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (Burst) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A
Safety	EN62368-1 (Pending)
4KV surge protection	Supported for UTP
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6
Transmitting rate	
Table 1	TBD
Upto 800meter	

Application



Dimensions



Front View Side View Rear View Wall-Mount Kit View

Ordering Information

Model Name	Local/ Remote Unit	LAN port (Local unit)	Line Port (Extension port)	Lan Port (Remote unit)	Power input	Certification		
		10/100 Base-TX	10/100M (Upto 800meter)	10/100Base-TX		EN50121-4	EN61000-6-2 EN61000-6-4	CE/FCC
IEXT101	IEXT101-L	1	1		12/24/48VDC	V	V	V
	IEXT101-R		1	1	12/24/48VDC	V	V	V

■ *Package List*

- 1 pair of the device (1 local unit IEXT101-L, and 1 remote unit IEXT101-R)
- 2 pin terminal block

Optional Accessories

■ *Industrial Power Supply*

MDR-20-24	Industrial Power, Input 85~264VAC/120~370VDC, Output 48 VDC, 24W, -20 ~ +70°C