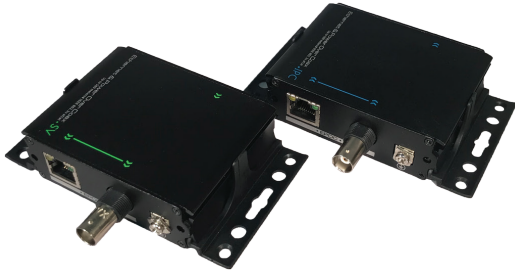


TI-EPC510K

Ethernet Extender Converter

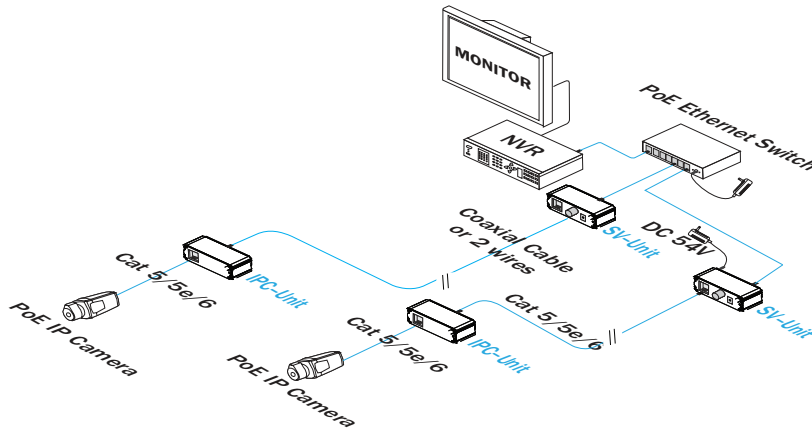


KEY FEATURES

- Transfer IP Signal with Power over Existing Coaxial Cable or 2 wires
- Upgrade Analog System to IP without Re-wiring
- Ethernet / Power Signal Transmission:
 - up to 1600ft (Coaxial Cable)
 - up to 1300ft (Network Cable)
- Ethernet Delay less than 1ms; meet point to point application
- Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af/at
- Protection: excellent circuit isolation protection, superior product, anti-thunder, anti-static and anti interference ability
- Working temperature: 14°F ~ 131°F
- Plug-and-Play

TI-EPC510K		
Power	Power Supply	PoE power supply or power adapter supply
	Voltage Range	DC 48V~57V
	Consumption	<2W
Ethernet Port Parameter	Ethernet Port	EPOC: 0~100Mbps Ethernet: 10/100Mbps Transmission bandwidth changes with transmission distance, please refer to Ethernet Port Table
	Transmission Distance	EPOC Coaxial Cable: 0 ~ 1640ft (0 ~ 500m) EPOC Network Cable: 0 ~ 1312ft (0 ~ 400m)
	Transmission Medium	75-5 Above Coaxial Cable and Cat5e/6
	PoE Agreement	Support IEEE802.3af, IEEE802.3at
	PoE Power Supply	Support End-span and Mid-span
Ethernet Exchange	Ethernet Standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
	Ethernet Delay	< 1ms
Status	Indicator LED	PoE IN/OUT Port: One indicates PoE power supply or DC power status(RJ45 yellow), one indicates Ethernet signal transmission(RJ45 green); EPOC Port: indicates signal transmission(RJ45 yellow/green)
Protection Level	ESD	1a Contact Discharge level 3 1b Air Discharge level 3 Per: IEC61000-4-2
	Communicating Port Anti-thunder Protection	Per: IEC61000-4-5 level 3
Operation Environment	Working Temperature	14°F ~ 131°F (-10°C ~ 55°C)
	Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
	Humidity(No-Condensing)	0 ~ 95%
Mechanical	Dimension(L × W × H)	2.5in × 3.2in × 0.98in (63.2mm × 82mm × 25mm)
	Material	Aluminum
	Color	Black
	Weight	IPC: 0.34lbs (153g); SV: 0.34lbs (154g)

APPLICATION (PoE POWER SUPPLY & DC POWER SUPPLY)



ETHERNET PORT TABLE

	Power Supply	Poe Ethernet Power Supply		54V DC Power Supply		
		SV <-> IPC Cable	75~5	CAT5E	75~5	CAT5E
100M	Bandwidth (Mbps)		54.5	67	54.5	67
	Load Capacity (W)		16.1	17.2	23	23
200M	Bandwidth (Mbps)		54.4	53.1	54.4	53.1
	Load Capacity (W)		10	12	17	22
300M	Bandwidth (Mbps)		54.3	52.4	54.3	52.4
	Load Capacity (W)		8	9.1	12	16
400M	Bandwidth (Mbps)		54.2	48.3	54.2	48.3
	Load Capacity (W)		5	6.5	10	12
500M	Bandwidth (Mbps)		53.5	/	53.5	/
	Load Capacity (W)		4.5	/	8	/

BOARD DIAGRAM

