

FFRF8-GN3-R-RX-B

Ethernet and Power over UTP Receiver 8 UTP RJ45 Ports & 3 Gigabit RJ45 Ports with Power over Wire Management



Product Description

The KBC eCopper™ line of products offer a cost-effective way to connect the latest IP cameras using existing coax or copper (UTP) wiring to a remote monitoring station. In addition to saving costs and time from cabling infrastructure upgrades to CAT5/5e/6, eCopper™ powers both its transmitter and remote cameras, eliminating the need for any additional power source at the camera site. eCopper™ also extends the IP camera cable run distance from 100 to 300 meters, making it ideal for upgrading analog to IP cameras and other systems in large corporate building





analog to IP cameras and other systems in large corporate buildings, retail, casinos, banks, prisons, stadiums and other applications.

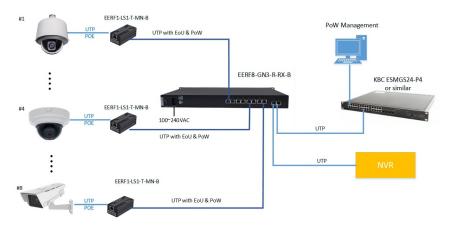
The KBC EERF8-GN3-R-RX-B series is an Ethernet over UTP (EoU) receiver with 8 UTP ports supplying Power over Wire (PoW) and 3*10/100/1000M Ethernet ports. This receiver provides connectivity up to 8 PoW/PoE (EERF1-LS1-T-MN-B) transmitters. Power is supplied to the transmitter through the UTP cable. Varying data rates are supported depending on cable distance and quality. This product also provides PoW management which allows the operator to remotely switch power on or off to any of the UTP channels. Plug-and-play design ensures ease of installation with no electrical adjustment needed. LED indicators are provided to show the operational status of the unit.

This receiver is available in 1U rack configuration.

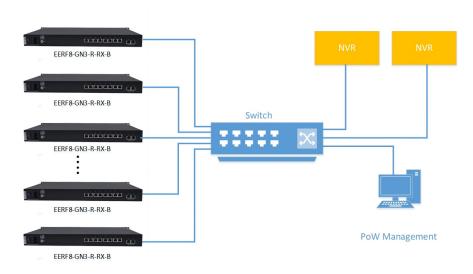
Product Features

- 8 UTP ports with PoW
- 3 *10/100/1000M Ethernet ports (1 on the front and 2 at the rear)
- PoW management
- Connect up to 16 transmitters EERF1-LS1-T-MN-B.
- UTP data rate >40Mbps (300m)
- Based on cable quality, cable pairs used (1, 2 or 4 pairs) and voltage applied to cable (48~57VDC) from headend. PoE and PoE+ are supported by PoW up to 400m
- Over current and short circuit protection
- Unique PoW transmission protection design so that no power is output when transmitter end is not connected.

Typical System Configuration



Typical Connection between Camera End and Head End

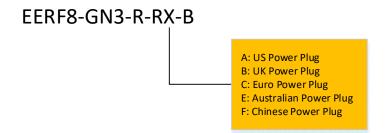


Typical Application in Head End

Specifications

Standards IEEE Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE802.3ab 1000Base-T	Power Power Input ⁽²⁾ Power Consumption	100-240Vac input ≤260W
LAN Port		Environmental Operating Temperature	-20° ~ +70°C
No of Ports	3	Storage Temperature	-40° ~ +85°C
Data Rate	10/100/1000Mbps auto-sensing	Operating Humidity	0 to 95% non-condensing
	Half & full duplex	Mean Time Between Failure (MTBF)	> 100,000 Hours
Twist Pairs Port		Mechanical	
No of Ports	8	Dimensions (L x W x H)	482mm x 290mm x 44mm
Cable	UTP		
Data Rate(2&4 Pairs)	>40Mbps (300m)	Connectors	
Load Power (2 Pairs) @54VDC ⁽¹⁾	PoE+: 200m; PoE: 400m	Ethernet	RJ45
Load Power (4 pairs) @54VDC ⁽¹⁾	PoE+: 400m; PoE: 800m	UTP	RJ45
		Power	IEC
PoW Management			
	Individual channel status LEDs	Protection	
	Individual channel PoW on/off	Surge	UTP: 6kV

Part Number Configurator



- 1. It is assumed that the transmitter installed together with PD devices, that means the distance between the transmitter and PD device is very short (less than 5m). Per the IEEE802.3 af/at standard, the maximum power of PD for 802.3af and IEEE802.3at are 12.95w and 25.5w respectively.
- 2. Please select the power plug from US Standard, Euro 2 Circular, UK 3 Pin square or Australian when placing order

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