

Quick Start Guide EECF8-GN3-R-RX-B

EOC Receiver - 8 BNC and 3 RJ45 with PoC Management

Introduction

The EECF8-GN3-R-RX-B is an Ethernet over Coax (EoC) receiver with 8 coax ports with Power over Coax (PoC) and 3*10/100/1000M Ethernet ports. This switch provides connectivity up to 8 units PoC/PoE version EECF1-LS1-T-IN-B or EECF1-LS1-T-MN-B transmitter. Power is supplied to the transmitter through the coaxial cable. Varying data rates are supported depending on cable distance and quality. This product also provides PoC management which allows the operator to remotely switch power on or off to any of the coax 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 clearly.

This receiver is available in 1U rack configuration.

Features

- 8 coax ports with PoC
- 3*10/100/1000M Ethernet ports (1 in the front and 2 at the back)
- PoC management
- Connect up to 8 units EECF1-LS1-T-IN-B, EECF1-LS1-T-MN-B or any combination
- Coax data rate >50Mbps (300m)
- Over current and short circuit protection
- Unique PoC transmission protection design so that no power is output when the transmitter end is not connected.

Downloads

Full specifications, features and additional information can be found on the KBC website: www.kbcnetworks.com.

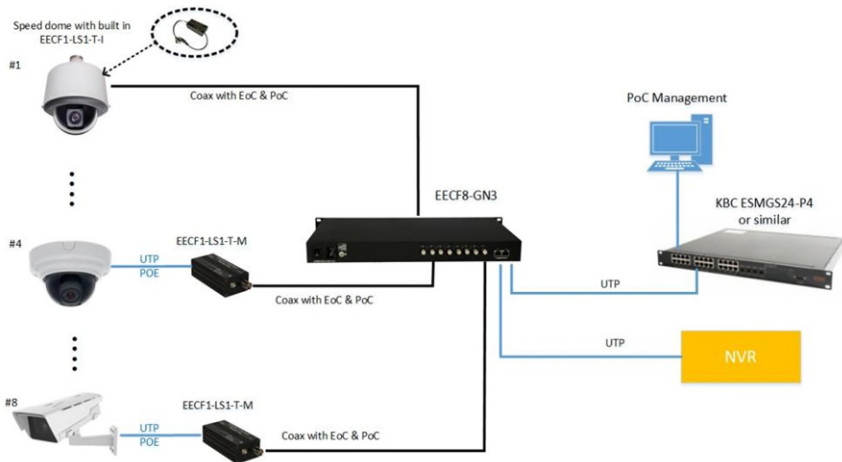
General

Check the product upon receipt for any visible damage which may have been caused during shipping.

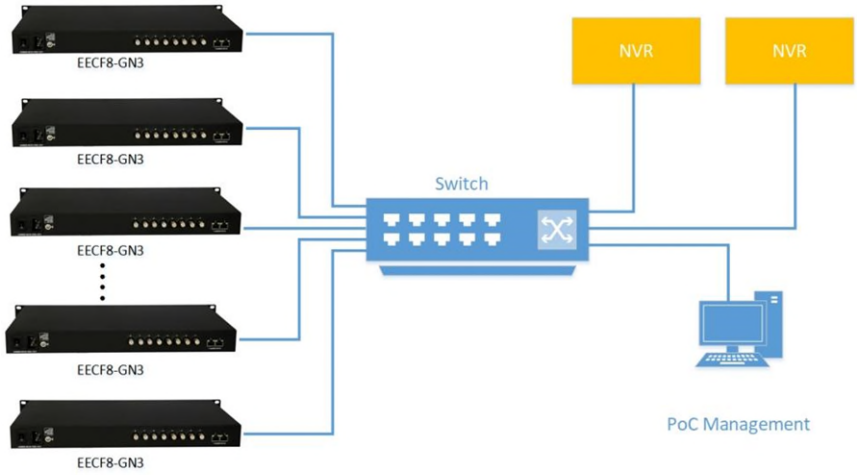
Physical Deployment

This equipment must be installed and operated in accordance with instructions found in this document. Failure to comply with these instructions will invalidate the warranty.

Application



Typical Connection between Camera End and Head End

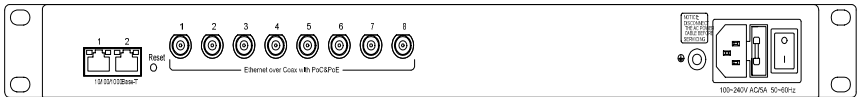


Typical Application in Head End

Panel Views



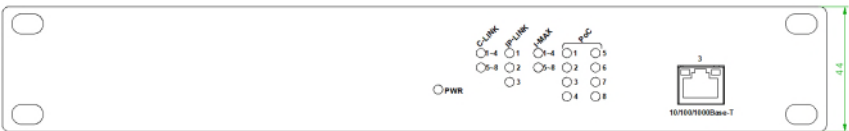
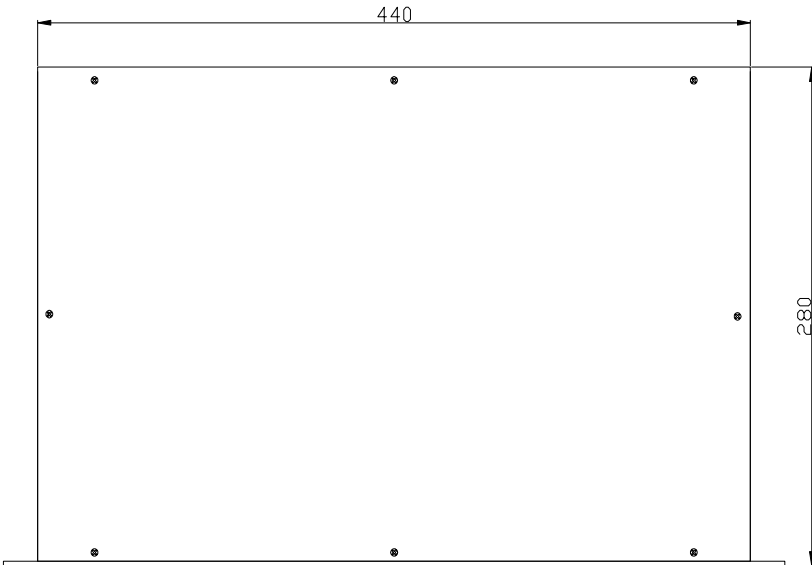
Front Panel



Rear Panel

LED	Color	Status	Description
PWR	Orange	On	Power supply is normal.
IP-LINK	Green	On	3*10/100/1000M network link is normal.
C-LINK	Green	On	EoC connection is normal.
I-MAX	Red	On	Total power of 4 channels more than 175W
PoC1-8	Green	On	PoC is being supplied.

Dimensions (Unit = mm)



Specifications

	Item	Description
Power	Power Supply	100-240VAC/5A
	Consumption	260W (with PoC)
Cable	Transmission Medium	75-5 or above coaxial cable and Cat5e/6 cable
	Operating Frequency	2M-28M
	Modulation	Wavelet-OFDM
	Transmission Rate	210Mbps (Max.)
	Power Negotiation Cycle	1S
	Overcurrent	720mA
	Overcurrent Protection Time	<2mS
	Transmission Distance	*500m
Ethernet Port	RJ45	10/100/1000M
	SFP (optional)	1G
	Transmission Medium	Cat5e/6
	Standard	IEEE802.3, IEEE802.3U
	Ethernet Delay	<1mS
Protection	ESD	IEC61000-4-2
	Anti-Thunder Protection	IEC61000-4-5 level 3
Operation Environment	Operating Temperature	-20°C--+50°C
	Storage Temperature	-40°C--+85°C
	Humidity (non-condensing)	0-90%
Mechanical	Dimensions (L×W×H)	280mm*440mm*44mm
	Material	Aluminum
	Color	Black
	Weight	1.5Kg

*Transmission distance depends on signal source and cable quality.

Installation Instructions

Please check the following items before installation. If any are missing, please contact the dealer.

- EoC receiver ----- x1
- Power cable----- x1
- QSG/User manual ----- x1

Please follow the installation steps below:

- 1) Fix the receiver to the 19" rack.
- 2) Use a network cable to connect the RJ45 port of the receiver and other Ethernet equipment, use a coaxial cable to connect the BNC port of the receiver and the transmitter(s), and use a grounding wire to connect the grounding terminal.
- 3) Check if the installation is correct, power on the device and make sure it is operating normally.

Troubleshooting

Please refer to the following information if the device does not work:

- Please confirm if the installation is done according to factory installation requirements.
- Please confirm if the RJ45 cable order is in accordance with the EIA/TIA568A or 568B industry standards.
- The maximum transmission distance depends on the signal source and cable quality. Please do not exceed the maximum transmission distance.
- Please replace the failed device with a proper one to check if the device is damaged. If the problem still exists, please contact the dealer.

