

Quick Start Guide EECF16-GN3-R-RX-B

EoC Receiver - 16 BNC and 3 RJ45 with PoC Management

Introduction

The EECF16-GN3-R-RX-B is an Ethernet over Coax (EoC) receiver with 16 coax ports with Power over Coax (PoC) and 3*10/100/1000M Ethernet ports. This receiver provides connectivity up to 16 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

- 16 coax ports with PoC
- 3*10/100/1000M Ethernet ports (1 in the front and 2 at the back)
- PoC management
- Connect up to 16 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

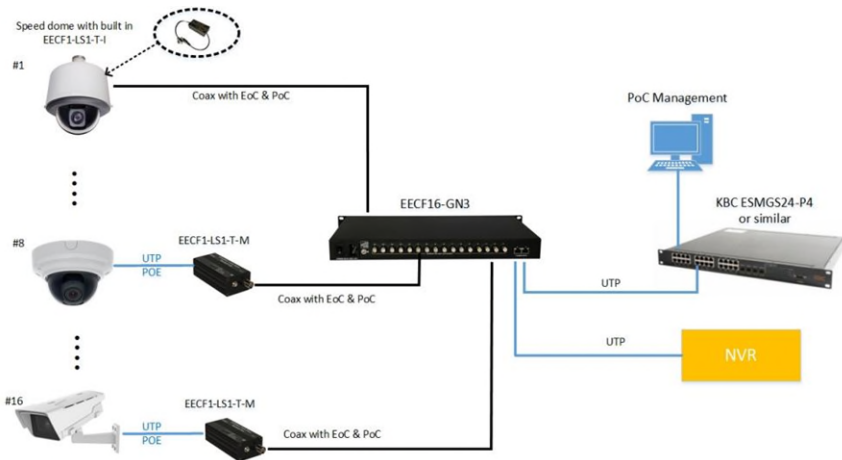
General

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 warranty.

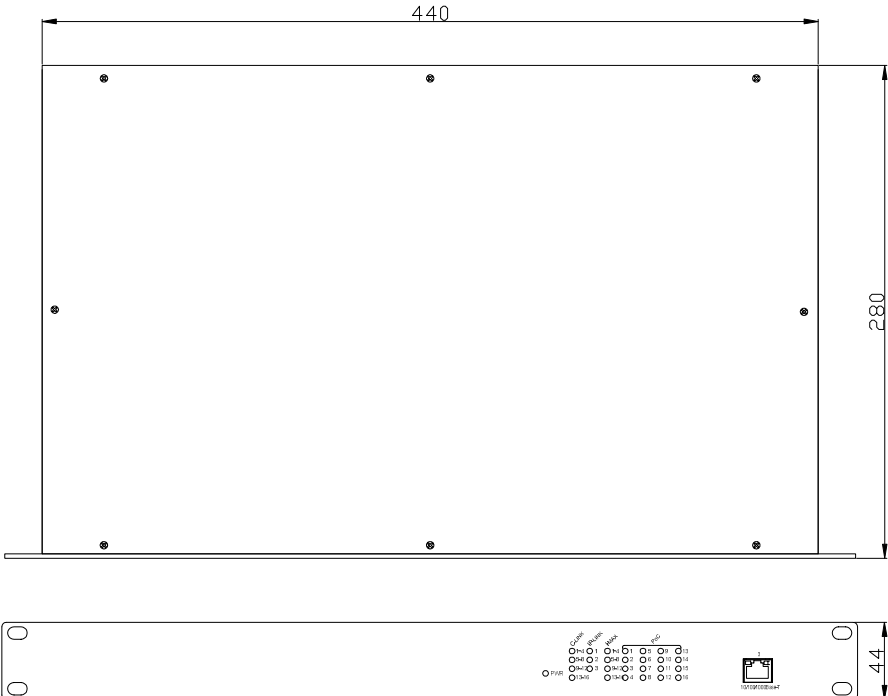
Application



Typical Connection Between Camera and Headend

LED	Color	Status	Description
PWR	Orange	On	Power supply is normal.
IP-LINK	Green	On	3*10/100/1000M Ethernet link is normal.
C-LINK	Green	On	EoC connection is normal.
I-MAX	Red	On	Total power of 4 channels more than 175W.
PoC1~16	Green	On	PoC is connected.

Dimensions (Unit = mm)



Specifications

	Item	Description
Power	Power Supply	110-240VAC/5A
	Consumption	500W (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
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~+70°C
	Storage Temperature	-40°C~+85°C
	Humidity (Non-Condensing)	0-90%
Mechanical	Dimension (DxWxH)	280mm*440mm*44MM
	Material	Aluminum
	Color	Black
	Weight	1.6Kg

*Transmission distance depends on signal source and cable quality.

Installation Instructions

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

- EoC 16 channel receiver ----- x1
- Power cable----- x1
- QSG/User manual ----- x1

Please follow the installation steps below:

- 1) Screw the receiver into the rack.
- 2) Use a standard Ethernet cable to connect the RJ45 port of the receiver to your existing network.
- 3) Use a coaxial cable to connect the BNC port of the receiver and the transmitter(s).
- 4) Use a grounding wire to connect to the grounding terminal.
- 5) Check that the installation is correct and power on the device to be sure it is operating normally.

Troubleshooting

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

- Please confirm the installation is according to factory installation requirements.
- Please confirm 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.
- Try replacing each end with a known working unit to determine if you have a damaged or faulty unit.
- If the problem persists, please contact your nearest KBC office or dealer.

Need Help?

Please visit our website www.kbcnetworks.com or contact your nearest KBC officer or dealer.

