USER GUIDE

Managed PoE Switch

LK7000 Series

Product Overview

Product Description

LK7012GCF managed PoE switch comes with 10x 10/100/1000Base-T RJ45 Ethernet ports, 2x1000M SFP ports, 1x console port. It can supply power to network equipment such as weather-proof IP cameras with windshield wiper and heater, high-performance AP and IP telephone. This managed PoE switch are highly flexible, the transmission distance of the SFP fiber port can be up to 120km, and with high resistance to electromagnetic interference. LK7012GCF product components were rigorous screened, have superior performance in stability, environmental adaptability. Metal shells have better resistance ability to corrosion and electromagnetic interference, ensure stability and security of this Ethernet Switch. Power input also chooses a suitable and reliable types of power, to get more powerful suitability to environment.

Feature
- All gigabit design, 10x gigabit Ethernet RJ45 ports, 1x console port.
- 8 PoE ports support power over Ethernet for PDs
- Meet IEEE 802.3af/at PoE standard. Supports per port PoE configuration function
- L2+ features provide better manageability, security, QoS, and performance
- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs etc
- Support spanning tree STP(802.1D) and RSTP(802.1W).
- Jumbo frames support up to 9.6K kilobtyes..
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- Support cable diagnosis
- G.8032, support <50ms industrial quick ring protection

Statement

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This document contains proprietary information that is protected by copyright. No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or brandy means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written permission of our company.

The information and product specifications within this document are subject to change at any time, without notice and without obligation to notify any person of such change.

Packing List
Please kindly check the following items:
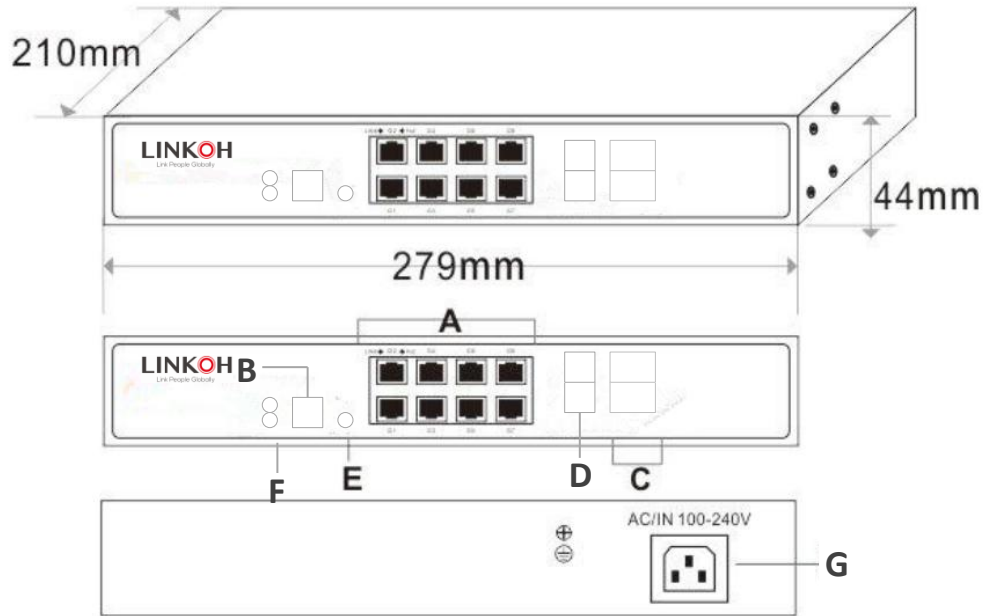➤1 x PoE switch
➤Power cable
➤Mounting Kits
➤1 x User guide

⚠ **NOTE**   If any shortage or damage found, please contact us in time.

Technical Structure and Port Description

A. RJ45 Ports(PoE Ports)
B. Console Port
C. Gigabit Uplink SFP Slot
D. Gigabit Uplink RJ45 Ports

E. Reset
F. System Working Indicator
G. 100-240VAC, 50/60Hz

Panel Description

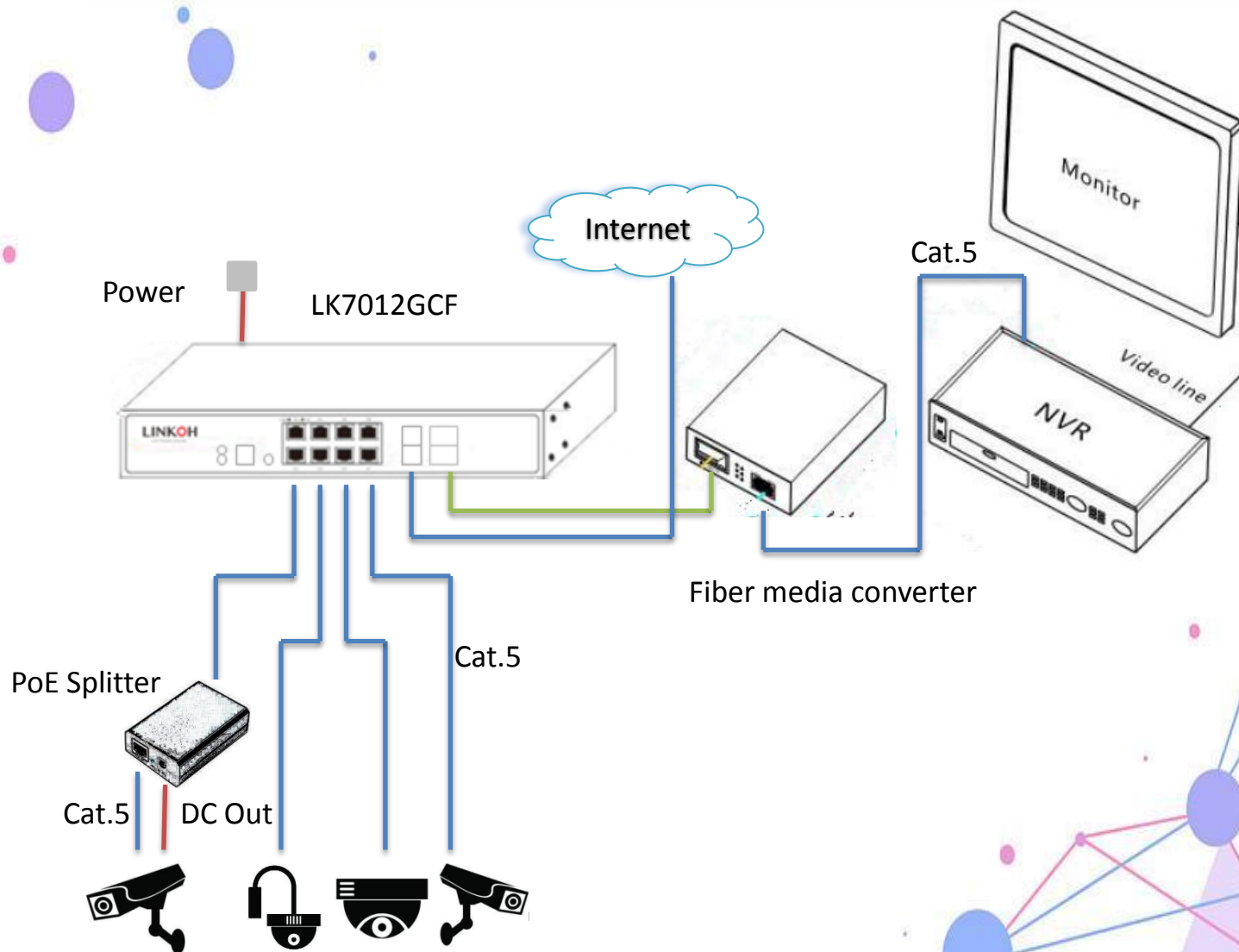| Indicator	Status	Description
System Indicator：SYS	Green LED ON	System work as normal
	Green LED Blink	System work as normal
	Green LED OFF	System abnormal or power off
PoE Indicator：PoE	Yellow LED ON	Connected PD device, powering properly
	Yellow LED Blink	Short circuit or current overload
	Yellow LED OFF	No connection PD or power off
Link Indicator：Link	Green LED ON	Data transmission properly
	Green LED Blink	Connection is OK and data is being sent and received
	Green LED OFF	No connected device
SFP uplink Indicator：	Green LED ON	Data transmission properly
	Green LED Blink	Connection is OK and data is being sent and received
	Green LED OFF	No data connected

⚠ **Note:** please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.
Power: 48 VDC(46~57VDC). (More than 50 VDC recommended when used PoE+ output.
PoE Port: The PoE ports support PoE function, which can transmit data and power simultaneously if connected matching device. The LED lights on the front panel can show working status of each port. **5**

Application Connection Diagram

Power

LK7012GCF

LINKOH

Internet

Cat.5

Monitor

Video line

NVR

Fiber media converter

PoE Splitter

Cat.5

Cat.5   DC Out

Installation Guide

Installation (Please install to the supported devices)

Please confirm the following things before installation:

1. If the PoE port meets the power requirement of the connecting devices.
2. If the PoE standard requirement and power wupply matches tith the power receiving device (1/2+, 3/6-(End-span), 4/5+, 7/8-(Mid-span))
3. If the output power of the matched power adapter is compatible with the specification in the label of the PoE switch

Please install the PoE switch according to the following steps:

1. Put the PoE switch on the surface of a large and stable table, or professional installation rank mount
2. Connect Positive, Minus and earth terminals as indicators on the power adapter.
3. Connect the Network devices to the PoE switch port though network cable.

⚠ **Note** 1. Please don't put heavy products on the PoE switch, and please ensure good ventilation environment for the PoE switch.
2. Please cut off the power first before plugging the power adapter.

Power

Connect the power cable, plug it into power socket, turn on the power, then the swich will automatically initialize, and LED lights status will display as following:

1. Except the PoE port lights, all the other lights will go through the process of "on-off-on-off", which means the system restoration is successful.
2. Power LED remains lit.

⚠ **Note** If initialization is inconsistent witch the above, please check the power.

Models Description

Product Model: LK7012GCF
Product Description: 12-port Gigabit Managed PoE Switch, with 8x 10/100/1000Base-T RJ45，
Ethernet ports, 1x console port,2x 1000Mbps RJ45 ports and 2x gigabit SFP slots. 8 RJ45 ports
support PoE power supply function , IEEE802.3af/at standard. Max Power per PoE Port: 30W ;
Switch's total power: 150W.

Order note: 1. Default PoE power supply type is end-span, mid-span optional
            2. SFP module is not included, need to order it separately