

## 28-Port 관리형 기가비트 PoE 광 스위치

28포트 기가비트 관리형 PoE 스위치는 친환경 에너지 절약형 PoE 스위치입니다. 고품질의 고속 네트워크 IC와 가장 안정적인 PoE 칩을 채택하였습니다. PoE 포트는 IEEE802.3af 또는 IEEE802.3at 표준을 충족하며 400W를 지원합니다. NK-APG2404CM은 기가비트 이더넷에 대한 원활한 연결을 제공할 수 있습니다. PoE 전원 포트는 자동으로 전원이 공급되는 장치를 감지하여 전원을 공급할 수 있습니다. 또한 Non-PoE 장치는 데이터만 전송합니다. CCTV, 무선 액세스 및 기타 SMB 및 엔터프라이즈 애플리케이션에서 사용하기 쉬우며 망 구성 / 설치 / 문제 해결의 이점을 제공합니다

### Key features

- 28Port L2+ 관리형
- PoE watchdog
- PoE Port 구성
- IEEE 802.3af/at Power over Ethernet(400W)
- IEEE 802.3az EEE Energy Efficient Ethernet 표준
- Protection Surge 6Kv, ESD 8Kv
- STP, RSTP, MSTP, ERPS ERPS
- IGMP Snooping, MLD Snooping
- SNMP v1/v2/v3

### Benefits

- 다양한 어플리케이션 지원
- 장치 관리 시스템으로 설치 용이 및 빠른 문제 해결
- 효율적인 에너지 설계로 비용 절감 효과
- 효과적인 망 관리 가능
- 향상된 PoE 관리

### Contact Us

경기도 성남시 분당구 판교로 744  
 분당테크노파크 C동 405호  
 전화: 031-708-4017  
 Fax : 031-708-4018  
 이메일: sales@miraesignal.com

## SPECIFICATION

## I/O 인터페이스

전원	Input: AC 100-240V, 50/60Hz
----	-----------------------------

이더넷/SFP	24 * 10/100/1000Mbps PoE Ports 4 *1000M RJ45 Port (Combo) 4 *1000M SFP Ports(Combo) 1 * RJ45 Console Port
---------	--

## Performance

Switching Capacity	56Gbps
--------------------	--------

Throughput	41.66Mpps
------------	-----------

Packet Buffer	4Mb
---------------	-----

Flash Memory	16MB
--------------	------

DDR SDRAM	128MB
-----------	-------

MAC Address	8K
-------------	----

Jumbo Frame	9.6Kbytes
-------------	-----------

Transfer Mode	Store and forward
---------------	-------------------

MTBF	100000 hour
------	-------------

## Standard

Network Protocol	IEEE 802.3 : Ethernet MAC Protocol IEEE 802.3i : 10BASE-T Ethernet IEEE 802.3u : 100BASE-TX Fast Ethernet IEEE 802.3ab : 1000BASE-T Gigabit Ethernet IEEE 802.3z : 1000BASE-X Gigabit Ethernet (optical fiber) IEEE 802.3az : Energy Efficient Ethernet IEEE 802.3ad : Standard method for performing link aggregation IEEE 802.3x : Flow control
------------------	--

## Contact Us

경기도 성남시 분당구 판교로 744  
분당테크노파크 C동 405호  
전화: 031-708-4017  
Fax : 031-708-4018  
이메일: sales@miraesignal.com

**SPECIFICATION**

Network Protocol	IEEE 802.1ab : LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p : LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function) IEEE 802.1q : VLAN Bridge Operation IEEE 802.1x : Client/Server Access Control and Authentication Protocol IEEE 802.1d : STP IEEE 802.1s : MSTP IEEE 802.1w : RSTP
------------------	---

PoE Protocol	IEEE802.3af(15.4W), IEEE802.3at(30W)
--------------	--------------------------------------

Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT)、 EN61000-4-5 (Surge)
-------------------	--

Network Medium	10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m) Multi-mode Fiber: 50/125、62.5/125、100/140um Single-mode Fiber: 8/125、8.7/125、9/125、10/125um
----------------	--

**Environment**

Working Environment	Working Temperature : -10~50°C Storage Temperature : -40~85°C Working Humidity : 10%~90% , non-condensing Storage Temperature : 5%~90% , non-condensing Working Height : Maximum10,000 feet Storage height : Maximum 10,000 feet
---------------------	---

**Indication**

LED indicators	PWR ( power supply ) ,SYS ( System ) ,1-24PoE&ACT (PoE), 1-24 Link&ACT ( Link&Act ) , 25-28 Link(Link),25-28 Act (Act)
----------------	--

DIP Switch	Reset
------------	-------

**Contact Us**

경기도 성남시 분당구 판교로 744  
 분당테크노파크 C동 405호  
 전화: 031-708-4017  
 Fax : 031-708-4018  
 이메일: sales@miraesignal.com

**SPECIFICATION****mechanical**

Dimension	Product Dimension (L*W*H): 440*280*45mm Package Dimension (L*W*H): 366*312*71mm N.W : 3.8kg G.W : 5.1kg
-----------	---

**Software Function**

Port management	Enable/Disable Port Speed、Duplex、MTU Setting Flow-control, Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast,broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Support static manual aggregation Support LACP dynamic aggregation Access, Trunk, Hybrid
VLAN	Support port, protocol, MAC-based VLAN partitioning Support GVRP dynamic VLAN registration Voice VLAN
MAC	Support static addition, deletion MAC address learning limit Support dynamic aging time setting
Spanning tree	Support STP spanning tree protocol, RSTP Rapid Spanning Tree Protocol, MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion IGMP-snooping Support MLD-Snooping Support V1/2/3 dynamic multicast monitor
DDM	Support SFP/SFP+DDM

**Contact Us**

경기도 성남시 분당구 판교로 744  
분당테크노파크 C동 405호  
전화: 031-708-4017  
Fax : 031-708-4018  
이메일: sales@miraesignal.com

**SPECIFICATION**

Log	User login, operation, status, events
Anti-Attack	DOS defense Support CPU protection and limits the rate of sending cpu packets ARP binding (IP, MAC, PORT binding)
Crtification	Support 802.1x port authentication Support AAA certification
Network diagnosis	Support ping、telnet、trace
System Managemnet	Device reset, configuration save/restore, upgrade management, time setting, etc.
<b>Management Funicton</b>	
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor
SNMP	SNMP V1/V2/V3, Support trap : ColdStart、WarmStart、LinkDown、LinkUp
RMON	Support RMON v1
PoE	Support PoE Power Supply
Other Functions	Support DHCP Snooping、Option82、DHCP Server Support dynamic ARP detection Support TACACS+ certification Support DNS certification

**Contact Us**

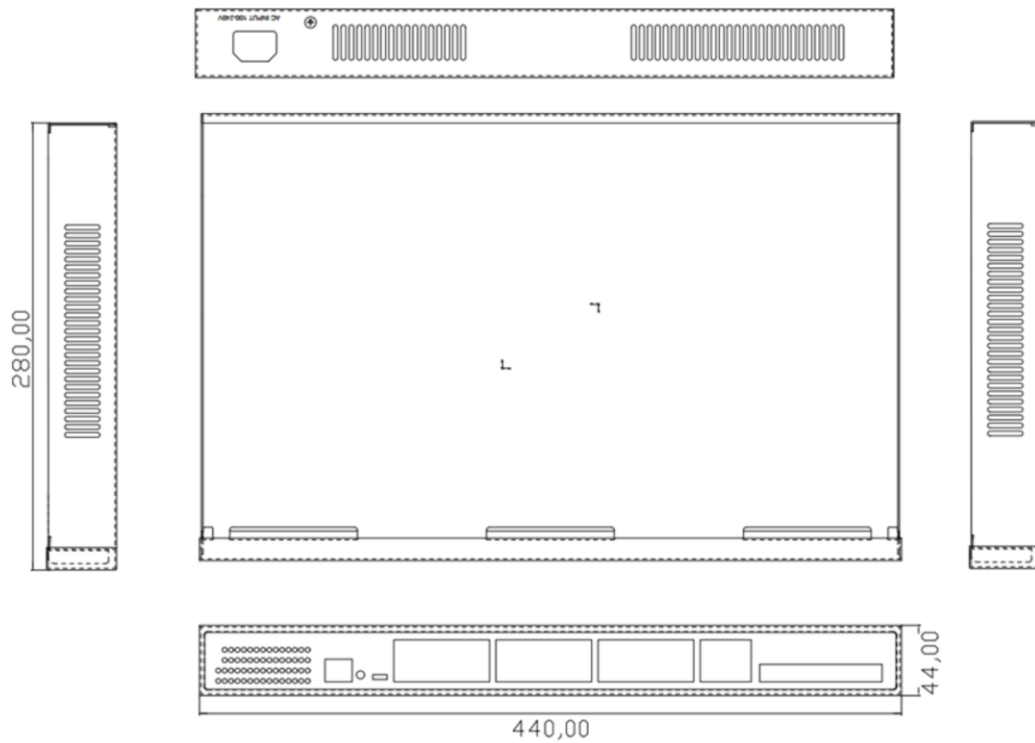
경기도 성남시 분당구 판교로 744  
 분당테크노파크 C동 405호  
 전화: 031-708-4017  
 Fax : 031-708-4018  
 이메일: sales@miraesignal.com

**SPECIFICATION**

Other Functions

- Support port security settings
- Support MVR protocol
- Support cable detection VCT function
- Support UDLD protocol

**Product Structure**



**Contact Us**

경기도 성남시 분당구 판교로 744  
 분당테크노파크 C동 405호  
 전화: 031-708-4017  
 Fax : 031-708-4018  
 이메일: sales@miraesignal.com