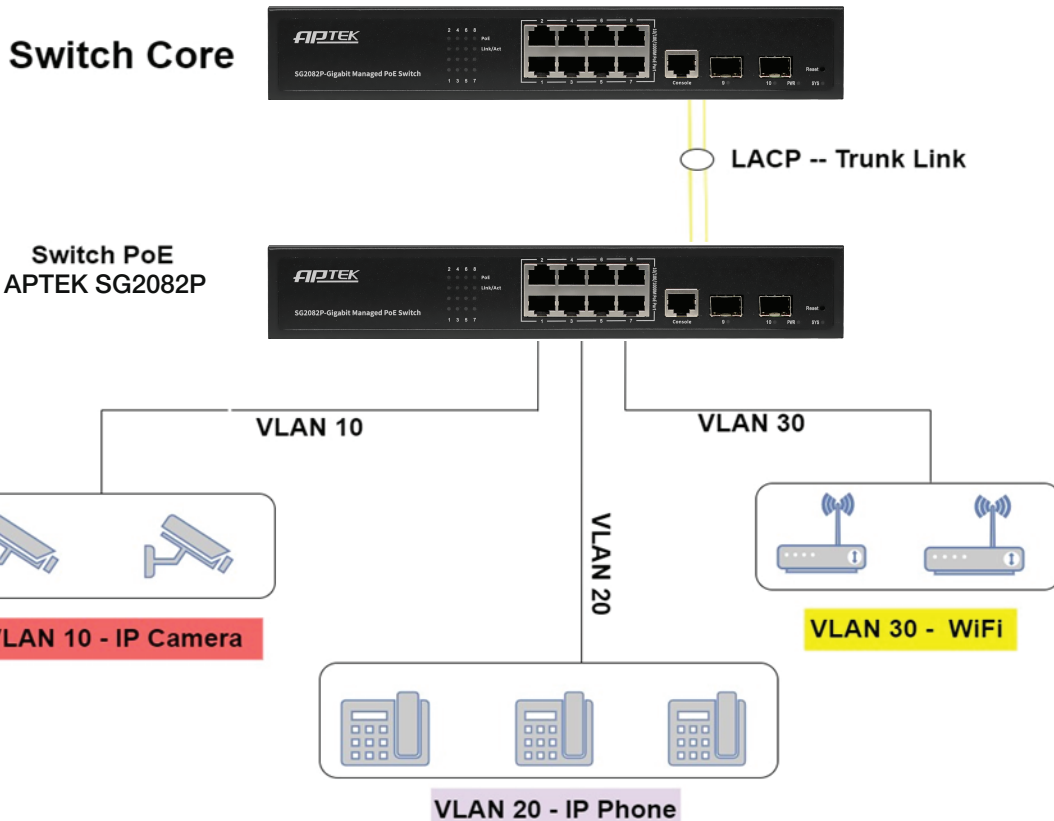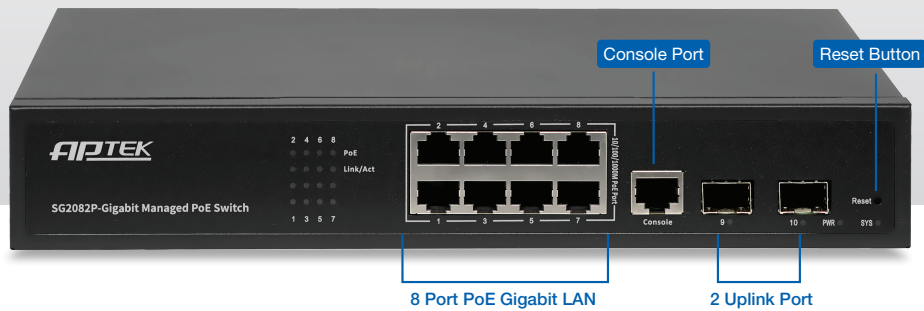# APTEK SG2082P

8 Port Gigabit Managed PoE Switch

APTEK SG2082P is Layer 2 Gigabit PoE switch which provides cost-effective advantage for SMB business network. APTEK SG2082P has 8 ports Gigabit Ethernet PoE/PoE+ ports with a power budget of 120W. It also equipped with 2 ports Gigabit SFP uplink

8 ports PoE/PoE+ Ethernet are perfect for a network with wireless AP, IP phones and IP surveillance. APTEK SG2082P provides the auto Voice VLAN and QoS feature to improve the VoIP call quality. All ports of SG2082P are Gigabit ports. Link Aggregation is used to increase the throughput even more and build a more reliable network.

Console Port   Reset Button

8 Port PoE Gigabit LAN   2 Uplink Port

Switch Core

LACP -- Trunk Link

Switch PoE
APTEK SG2082P

VLAN 10   VLAN 30

VLAN 20

VLAN 10 - IP Camera

VLAN 30 - WiFi

VLAN 20 - IP Phone

IP Version

• IPv4

• IPv6

Hardware Interface

• 8 x Gigabit Ethernet support PoE/PoE+

• 2 x Gigabit SFP ports

VLAN

• IEEE 802.1Q VLAN: Port-based / Tag-based

• General VLAN Registration Protocol

• Support Following Types of VLAN

  - Voice VLAN

  - Protocol VLAN

  - MAC-based VLAN

  - Management VLAN

PoE

• PoE Mode: Switch allocates sufficient power the PoE PD asked for, and dynamic distribute power to all devices

• Status: consumed power (mW, mA)

• Scheduling: support scheduling rule

Security

• Storm Control:

  - Broadcast, Unknow Multicast, Unknow Unicast

• DoS Defend

• Protect Port

• Access Control List: MAC/ IPv4 / IPv6

• Port Security

• ARP Inspection

• DHCP Snooping with Option 82

Link Aggregation

• Static Manual Aggregation

• LACP Dynamic Aggregation

QoS

• Class of Service

  - 802.1p CoS

  - DSCP

  - Source IP, Destination IP, Port Number

• Queue Setting

  - WRR

  - Strict Priority

• Rate Limit

AAA

• 802.1x port authentication

• External AAA server using Radius, Tacacs

Management

• Command Line Interface via Telnet/ SSH / Console

• HTTP Web User Interface

• SNMP v1/v2c/v3

Diagnostics

• CPU/ RAM/ Port Utilization

• Syslog

• Port Monitoring

• Ping

• Port-based Cable test

Environment / Physical

• Power:

  - Voltage: 100 ~ 240VAC

  - PoE Power Budget: 120W

• Temperature

  - Operating: 0 ~ 55 °C

  - Storage: 0 ~ 70 °C

• Operating Humidity: 10% ~ 90% (Non-condensing)

• Dimension (L x W x H): 270mm x 180mm x 45mm