

## Gigabit Unmanaged Ethernet Switches

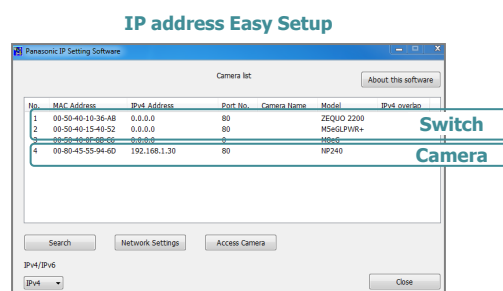
AS series are Edge switch with basic function, can be easily set with web-based GUI.

### Ease of management

-Web-based configuration  
Configuration that anyone can understand

-IP address Easy Setup (i-pro & SW )

The IP addresses for both the switches and cameras can be set up simultaneously using Easy IP Address Setup Software.



Camera and switch can be set on the same screen

### PoE(Power over Ethernet)

-Selectable from 6 types of ports  
(4,10,12,16,24,48 port)

### Excellent install ability

-Compact body(4,10,12 port)  
-Fan less  
(PoE:4,10 port / Non PoE 4,10,12,16,24 port)

#### Example of Use

PoE Network of Small store and Office



For the network that mixed with PoE and PoE+ as well

### Key Features

#### Original

##### •IP address Easy Setup

##### •Loop detection

When a loop occurs,  
the relevant port automatically  
shuts down.  
record LOOP HISTORY and  
System Log

##### •VLAN

- ✓ IEEE802.1Q tag VLAN
- ✓ Port-based VLAN
- ✓ VLAN registration number 256  
(including the default)

##### •QoS

- ✓ IEEE802.1 p  
4 stage priority control of
- ✓ Priority Queuing  
(PQ: Absolute priority scheduling)

##### •Link aggregation

- ✓ IEEE802.3ad (Manual)

##### •Other

- ✓ Port monitoring
- ✓ Multicast address group –  
registration function
- ✓ Storm control function



## Specifications

## Switches Product Information

## AS Series

| Product Name (Product No.)    | 10/100/1000T | PoE Port | Max Power Supply | Size(H × W × D)   | Fan     |
|-------------------------------|--------------|----------|------------------|-------------------|---------|
| <b>GA-AS4TPoE+ (PN25048)</b>  | 6            | 4        | 62W              | 44 × 210 × 210 mm | Fanless |
| <b>GA-AS10TPoE+ (PN25108)</b> | 12           | 10       | 70W              | 44 × 210 × 280 mm | Fanless |
| <b>GA-AS12TPoE+ (PN25128)</b> | 14           | 12       | 84W              | 44 × 210 × 280 mm | Yes     |
| <b>GA-AS16TPoE+ (PN25168)</b> | 18           | 16       | 112W             | 44 × 330 × 230 mm | Yes     |
| <b>GA-AS24TPoE+ (PN25248)</b> | 26           | 24       | 168W             | 44 × 440 × 257 mm | Yes     |
| <b>GA-AS48TPoE+ (PN25488)</b> | 50           | 48       | 336W             | 44 × 440 × 386 mm | Yes     |
| <b>GA-AS4T (PN25041)</b>      | 6            | -        | -                | 44 × 210 × 130 mm | Fanless |
| <b>GA-AS10T (PN25101)</b>     | 12           | -        | -                | 44 × 210 × 280 mm | Fanless |
| <b>GA-AS12T (PN25121)</b>     | 14           | -        | -                | 44 × 210 × 280 mm | Fanless |
| <b>GA-AS16T (PN25161)</b>     | 18           | -        | -                | 44 × 330 × 230 mm | Fanless |
| <b>GA-AS24T (PN25241)</b>     | 26           | -        | -                | 44 × 440 × 257 mm | Fanless |
| <b>GA-AS48T (PN25481)</b>     | 50           | -        | -                | 44 × 440 × 386 mm | Yes     |

### Interface

Twisted pair port:

RJ45 connector

Transmitting and receiving network system :

IEEE802.3 10BASE-T

IEEE802.3u 100BASE-TX

IEEE802.3ab 1000BASE-T

### Switching mode

Packet transfer capability: Non-blocking

Max 14,880pps/port(10Mbps)

Max 148,800pps/port(100Mbps)

Max 1,488,000pps/port(1000Mbps)

MAC Address table : Max 8K entry/unit

<PN25488・PN25481>

Max 16K entry/unit

Burrer memory: 512K Byte/unit

<PN25488・PN25481> 1.5M

Transmittable frames: EAP・BUDU

### Software Specifications

Agent:

Management protocol : HTTP (RFC 2616)

Data transfer protocol : TFTP (RFC 783)

Loop detection:

When a loop occurs,  
the relevant port automatically shuts down.  
record LOOP HISTORY and System Log

Others:

Ping response (ICMP echo reply) function

Syslog Client (system log sent to a Syslog server)

TFTP Client (Firmware upgrade, save and read of configuration information)

SNTP Client

IP Address Easy Setting

### Operation environment

Temperature: 0 - 40°C

Humidity: 20 - 80%RH (no condensation)

<GA-AS48TPoE+ (PN25488) >

Temperature: 0 - 50°C

Humidity: 20 - 80%RH (no condensation)

### Layer 2 Switching Functions

VLAN:

IEEE802.1Q tag VLAN protocol

Port-based VLAN

VLAN registration number 256 (including the default)

Internet Mansion function

VLAN invalid setting function

Link aggregation:

IEEE802.3ad link aggregation function (Manual)

Port Monitoring:

A plurality of target port can be specified

QoS:

IEEE802.1p 4 stage priority control of Scheduling  
scheme: Priority Queuing  
(PQ: Absolute priority scheduling)

PoE power supply function:

IEEE802.3af/IEEE802.3at power supply function

Supply method : Alternative A

(Cable signal lines 1, 2, 3, and 6 are used.)

Time setting:

SNMP settings, time manual setting

Multicast:

Multicast address group registration function.  
(can be up to 256 groups of registration)

Storm control function:

Unknown unicast / Broadcast / Multicast of -  
possible control the storm

### Rated

Power supply:

AC100-240V, 50/60Hz, 2.0A (with a built-in power supply)

### Environmental Conditions

EMC compliance:

CISPR 22 Class A, EN 55022 Class A, EN 55032 Class A

AS/NZS CISPR22 Class A

VCCI Class A

EN 61000-3-2, EN 61000-3-3

CISPR 48, EN 55048

IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4,

IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8,

IEC 61000-4-11

Safety compliance: IEC 60950-1 EN 60950-1

Environment compliance: RoHS compliant

# Panasonic

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