



GEP-1023W65 Version: 1

## 10-Port Gigabit PoE Switch, 8 PoE Outputs, 2 x SFP

The GEP-1023 Switch provides 8 10/100/1000M ports with 2 port SFP. It is designed for easy installation and high performance in an environment where traffic is on the network and the number of users increases continuously.

It consists of 8 PSE/PoE ports. That can solve the limitation of the power outlet location and offer the system designer a flexible solution to locate the network device everywhere.

The device size is specifically designed for medium to large workgroups. The Switch can be installed where space is limited; moreover it provides smooth network migration and easy upgrade to network capacity. The PoE switch can be wall-mounted.

### Key Features

- IEEE 802.3af/at PoE PSE with 30W power budget
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10-BASE-T (Ethernet)  
IEEE 802.3u 100-BASE-TX (Fast Ethernet)  
IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)  
IEEE 802.3z 1000BaseSX/LX  
IEEE 802.3x Flow Control (full-duplex flow control)  
IEEE 802.3af Power over Ethernet  
IEEE 802.3at Power over Ethernet Plus

##### Buffer Memory:

1Mbit

##### Connectors and Cabling:

8 x 10/100/1000Mbps RJ-45 PoE Ports  
2 x 10/100/1000Mbps SFP Port

**Indicator:**

Power, Uplink, LAN 1~8 port, PoE 1~8 port

**Transmission Method:**

10Base T Cat. 3, 4, 5 UTP/STP

100Base TX Cat. 5 UTP/STP

1000Base TX Cat. 5e/6/7 UTP/STP

**Power Input:**

AC Power input(100 ~240V), 50/60 Hz

**Power Output:**

Per Port 56VDC, Max. 30 watts (802.3at)

**Power Consumption:**

65W/90W/120W

**Backplane (Gbps):**

20Gbps

**MAC Address Table:**

8K

**Data Transfer Rate:**

10/100/1000Mbps

## Features

**PoE:**

IEEE 802.3at/af Power over Ethernet/PSE Mode A

## Performance

**Packet Forwarding Rate:**

10Mbps 14880pps,

100Mbps 148800pps,

1000Mbps 1488000pps

**Jumbo Frame (K):**

9K

**Switching Capacity:**

20Gbps

## Environment

**Heat Dissipation:**

Operating Temperature 0° ~ 40°C

Storage Temperature -20 to 70 °C

**Temperature (°C):**

Operating: 5% ~ 90%

## Physical Specifications

**Dimensions (W x D x H mm):**

215 x 122 x 44

**Weight (g):**

850

## Reliability

**MTBF:**

106khours (12 years)

## Approval and Compliance

**EMI/EMS:****EMI:**

EN55032:2012+AC:2013

EN55022:2010+AC:2011

AS/NZS CISPR 22 Amdt. (2010)

EN61000-3-2:2014

EN61000-3-3:2013

**EMS:**

EN55024:2010

IEC61000-4-2:2008

IEC61000-4-3:2006+A1:2007+A2:2010

IEC61000-4-4:2012

IEC61000-4-5:2005

IEC61000-4-6:2013

IEC61000-4-8:2009

IEC61000-4-11:2004

**Safety:**

FCC Class B, CE

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## Order Information

GEP-1023W65

GEP-1023W90

GEP-1023W120

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## Package Contents

GEP-1023W65