IP-COM

# Quick Installation Guide

9GE+1SFP Ethernet Unmanaged Switch With 8-Port PoE
G1110PF-8-102W

## Package contents

- Switch x 1
- Quick installation guide x 1
- Power adapter x 1

This guide instructs how to install and connect the device. For more details, please visit www.ip-com.com.

## 1 Install the device

### Preparations

You shall prepare the following tools and materials for device installation.

- Desktop mounting: ESD bracelet (or ESD gloves)
- Wall mounting: ESD bracelet (or ESD gloves), ladder, screwdriver, marker, hammer drill, rubber hammer, levelling instrument, screws (self-prepared: PA3*14 mm, head diameter: 5.2 mm, head height: 1.8 mm) and expansion bolts (self-prepared: height: 6.6 mm, inner diameter: 2.4 mm, length: 26.4 mm).

### Installation

**Desktop mounting**

Horizontally place the switch right-side up on a big enough, clean, stable and flat desktop.

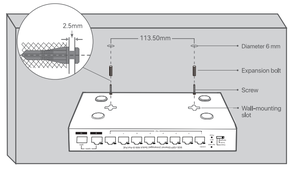
**Wall mounting**

Note:
- This switch can only be installed on non-flammable walls, such as a concrete wall.
- Do **NOT** install the switch with its air vents facing downward; otherwise, there will be potential safety hazards.
- The equipment is suitable for mounting at heights > 2 m.

Step 1 Use a hammer drill to drill 2 holes (diameter: 6 mm) on the wall and the distance between the 2 holes is 113.50 mm. Keep the two holes on a horizontal line.

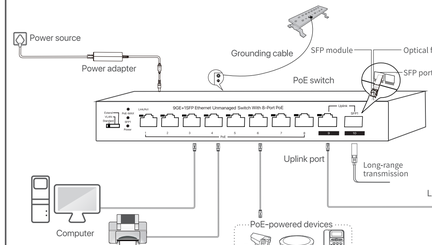
Step 2 Knock the expansion bolts (self-prepared: height: 6.6 mm, inner diameter: 2.4 mm, length: 26.4 mm) into the holes using a rubber hammer. Use a screwdriver to fix the screws (self-prepared: PA3*14 mm, head diameter: 5.2 mm, head height: 1.8 mm) into the expansion bolts.
Distance between the inside surface of the screw header and the edge of the expansion bolt should not be less than 2.5 mm, to make sure that the switch can be hung on the screws firmly.

Step 3 Align the two wall-mounting slots on the bottom of the switch with the two screws on the wall, and then slide the switch to fit in the screws until it is firmly hung on the screws.




## 2 Connect the device

The typical network topology of the switch is as shown below.




Tips
- The switch supports auto MDI/MDIX. You can use either a straight through cable or a crossover cable to connect the switch to Ethernet devices.
- The switch supports power supply priorities for the PoE ports. When the total power consumption of the PoE-powered devices exceeds the maximum output of the switch, the switch starts cutting the power supply from the port with the lowest power supply priority (the port with the largest port number) until the total power consumption of the PoE-powered devices is less than the maximum output of the switch.

After connection, you can check whether the switch is connected properly or change the working mode according to the following table.

### LED indicators

| LED indicator | Description |
|---|---|
| Power | Solid on: Powered on<br>Off: Powered off or powered improperly |
| SFP1, Link/Act (at the upper-left corner of each port) | Solid on: Connected but not active<br>Blinking: Active in data transmission<br>Off: Not connected or connected improperly |
| PoE-MAX | Blinking red: Reach max. PoE budget<br>Off: Not reach max. PoE budget |

### Working mode toggle

| Working mode | Description |
|---|---|
| Standard | Default mode. In this mode, all ports can communicate with each other. |
| VLAN | In this mode, ports 1 + 8 are isolated from each other, but all of them can communicate with port 9 and SFP1.<br>This mode helps isolate DHCP broadcast and reduce broadcast storm. |
| Extend | In this mode, ports 1 + 8 decrease to 10 Mbps in negotiation rate, but transmit up to 250 m in distance.<br>For better network extension, please use CAT5e or better Ethernet cables, and set the speed duplex mode of the port of the peer device to "Auto-negotiation". If the peer device is an IP camera, set its bit rate below 8 Mbps for timeliness of video transmission. |

## Specifications — English

| Model | | G1110PF-8-102W |
|---|---|---|
| Port | 10/100/1000 Mbps RJ45 port | 9 |
| | 1000 Mbps SFP port | 1 independent SFP port |
| | Working mode | Standard, VLAN, Extend |
| Performance | Switching mode | Store-and-forward |
| | MAC address table learning | Auto aging, auto learning |
| | MAC address table | 16 K |
| PoE power supply | PoE standard | IEEE 802.3af, IEEE 802.3at |
| | PoE power cable core | 8 cores: voltage of cores 1, 2, 4, 5 is +, and cores 3, 6, 7, 8 is − |
| | PoE port | 1 – 8 |
| | Maximum output power of a single port | 30 W |
| | Maximum output power of the switch | 92 W |
| Dimensions (L x W x H) | | 177.5 mm x 104 mm x 26 mm |
| Power supply | Input | 100 – 240V AC, 50/60Hz, 1.6A |
| | Output | 51V DC, 2A |
| Lightning protection | RJ45 port | Common mode: 6 kV |
| | Power supply | Common mode: 6 kV<br>Differential mode: 4 kV |
| Operating environment | | Temperature: 0°C – 45°C<br>Humidity: (10% – 90%) RH, non-condensing |
| Storage environment | | Temperature: -40°C – 70°C<br>Humidity: (5% – 90%) RH, non-condensing |
| Data transmission rate | | Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex)<br>Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex)<br>Gigabit Ethernet: 2000 Mbps (full duplex) |
| Transmission media | | Ethernet: CAT3 or better UTP/STP cable<br>Fast Ethernet: CAT5 or better UTP/STP cable<br>Gigabit Ethernet: CATSE or CAT6 UTP/STP cable<br>1000Base-SX: MMF<br>1000Base-LX: MMF or SMF |
| Network standards | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Характеристики — Русский

| Модель | | G1110PF-8-102W |
|---|---|---|
| Порт | Порт RJ45 10/100/1000 Мбит/с | 9 |
| | Порт SFP 1000 Мбит/с | 1 независимый SFP порт |
| выполнение | Рабочий режим | Standard, VLAN, Extend |
| | Режим переключения | Сохранение и дальнейшая передача |
| | Изучение MAC-адресов | Автоматическое старение, автоматическое обучение |
| | Таблица MAC-адресов | 16 K |
| Электропитание PoE | Стандарт PoE | IEEE 802.3af, IEEE 802.3at |
| | Жила силового кабеля PoE | 8 ядер: напряжение ядер 1, 2, 4, 5 — "+", а ядер ядер 3, 6, 7, 8 — "-" |
| | PoE-порт | 1 – 8 |
| | Максимальная выходная мощность одного порта | 30 Вт |
| | Максимальная выходная мощность коммутатора | 92 Вт |
| Размеры (Д x Ш x В) | | 177.5 мм x 104 мм x 26 мм |
| Источник питания | Вход | 100–240 В перем. тока, 50/60 Гц, 1.6A |
| | Выход | 51 В постоянного тока, 2A |
| Молниезащита | Порт RJ45 | Обычный режим: 6 kV |
| | Источник питания | Обычный режим: 6 kV<br>Дифференциальный режим: 4 kV |
| Рабочая среда | | Температура: 0°C – 45°C<br>Влажность: (10–90%) без конденсации |
| Условия хранения | | Температура: -40°C – 70°C<br>Влажность: (5–90%) без конденсации |
| Скорость передачи информации | | Ethernet: 10 Мбит/с (полудуплексный)/20 Мбит/с (полнодуплексный)<br>Fast Ethernet: 100 Мбит/с (полудуплексный)/200 Мбит/с (полнодуплексный)<br>Гигабитный Ethernet: 2000 Мбит/с (полнодуплексный) |
| Средства передачи | | Ethernet: Кабель CAT3 UTP/STP или выше<br>Fast Ethernet: Кабель CAT5 UTP/STP или выше<br>Gigabit Ethernet: Кабель CATSE или CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF или SMF |
| Стандарты сети | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Спецификации — Български

| Модел | | G1110PF-8-102W |
|---|---|---|
| Порт | 10/100/1000 Mbps RJ45 порт | 9 |
| | 1000 Mbps SFP порт | 1 независим SFP порт |
| Технически показатели | Работен режим | Standard, VLAN, Extend |
| | Режим на превключване | Съхраняване и препращане |
| | Обучение на MAC адреси | Самоубуждане, автоматично остаряване на остарели MAC адреси |
| | Таблица с MAC адреси | 16 K |
| PoE захранване | PoE стандарт | IEEE 802.3af, IEEE 802.3at |
| | PoE захранващо кабелно ядро | 8 ядра: напрежение на ядра 1, 2, 4, 5 е +, и ядра 3, 6, 7, 8 е - |
| | PoE порт | 1 – 8 |
| | Максимална изходна мощност на един порт | 30 W |
| | Максимална изходна мощност на превк лючателя | 92 W |
| Размери (Д x Ш x В) | | 177.5 mm x 104 mm x 26 mm |
| Захранване | Вход | 100 – 240 V AC, 50/60 Hz, 1.6A |
| | Изход | 51V DC, 2A |
| Мълниезащита | RJ45 порт | Общ режим: 6 kV |
| | Захранване | Общ режим: 6 kV<br>Диференциален режим: 4 kV |
| Работна среда | | Температура: 0°C – 45°C<br>Влажност: (10% – 90%) RH, некондензиращи |
| Среда за съхранение | | Температура: -40°C – 70°C<br>Влажност: (5% – 90%) RH, некондензиращи |
| Скорост на предаване на данни | | Ethernet: 10 Mbps (полудуплекс)/20 Mbps (пълен дуплекс)<br>Fast Ethernet: 100 Mbps (полудуплекс)/200 Mbps (пълен дуплекс)<br>Гигабитен Ethernet: 2000 Mbps (пълен дуплекс) |
| Носители за предаване | | Ethernet: CAT3 UTP/STP или по-добре<br>Бързо Ethernet: CAT5 UTP/STP или по-добре<br>Гигабитен Ethernet: CATSe или CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF или SMF |
| Мрежови стандарти | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Spezifikationen — Deutsch

| Modell | | G1110PF-8-102W |
|---|---|---|
| Port | 10/100/1000 Mbit/s RJ45-Port | 9 |
| | 1000 Mbit/s SFP-Port | 1 unabhängiger SFP-Port |
| Leistung | Betriebsmodus | Standard, VLAN, Extend |
| | Modus wechseln | Speichern und weiterleiten |
| | MAC-Adressentabelle lernen | Automatisches Altern, automatisches Lernen |
| | MAC-Adressentabelle | 16 K |
| PoE-Stromversorgung | PoE-Standard | IEEE 802.3af, IEEE 802.3at |
| | Anzahl der PoE-Kabelkerne | 8 Kerne: Spannung der Kerne 1, 2, 4, 5 ist „+". Bei den Kernen 3, 6, 7, 8 ist sie „-" |
| | PoE-Port | 1 – 8 |
| | Maximale Leistung eines einzelnen Ports | 30 W |
| | Maximale Leistung vom Switch | 92 W |
| Abmessungen (L x B x H) | | 177.5 mm x 104 mm x 26 mm |
| Stromversorgung | Eingabe | 100 – 240V AC, 50/60Hz, 1.6A |
| | Ausgabe | 51V DC, 2A |
| Überspannungsschutz | RJ45-Port | Normaler Modus: 6 kV |
| | Stromversorgung | Normaler Modus: 6 kV<br>Differentialmodus: 4 kV |
| Betriebsumgebung | | Temperatur: 0°C – 45°C<br>Luftfeuchtigkeit: (10 % – 90 %) RH, nicht kondensierend |
| Lagerumgebung | | Temperatur: -40°C – 70°C<br>Luftfeuchtigkeit: (5% – 90 %) RH, nicht kondensierend |
| Datenübertragungsrate | | Ethernet: 10 Mbit/s (Halbduplex)/20 Mbit/s (Vollduplex)<br>Fast Ethernet: 100 Mbit/s (Halbduplex)/200 Mbit/s (Vollduplex)<br>Gigabit Ethernet: 2000 Mbit/s (Vollduplex) |
| Übertragungsmedien | | Ethernet: CAT3 UTP/STP-Kabel oder höher<br>Fast Ethernet: CAT5 UTP/STP-Kabel oder höher<br>Gigabit Ethernet:CATSe oder CAT6 UTP/STP-Kabel<br>1000Base-SX: MMF<br>1000Base-LX: MMF oder SMF |
| Netzwerkstandards | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Specifiche — Italiano

| Modello | | G1110PF-8-102W |
|---|---|---|
| Porte | Porta RJ45 10/100/1000 Mbps | 9 |
| | Porta SFP 1000 Mbps | 1 porta SFP indipendente |
| Prestazioni | Modalità di lavoro | Standard, VLAN, Extend |
| | Modalità switching | Store-and-forward |
| | Apprendimento degli indirizzi MAC | Auto invecchiamento, auto apprendimento |
| | Tabella degli indirizzi MAC | 16 K |
| Alimentazione PoE | Standard PoE | IEEE 802.3af, IEEE 802.3at |
| | Nucleo del cavo di alimentazione PoE | 8 nuclei: la tensione dei nuclei 1, 2, 4, 5 è +; quella dei nuclei 3, 6, 7, 8 è - |
| | Porta PoE | 1 – 8 |
| | Resa massima di una singola porta | 30 W |
| | Resa massima dell'interruttore | 92 W |
| Dimensioni (L x P x A) | | 177.5 mm x 104 mm x 26 mm |
| Alimentazione | Ingresso | 100 – 240V AC, 50/60Hz, 1.6A |
| | Uscita | 51 V CC, 2A |
| Protezione contro i fulmini | Porta RJ45 | Modalità comune: 6 kV |
| | Alimentazione | Modalità comune: 6 kV<br>Modalità differenziale: 4 kV |
| Ambiente operativo | | Temperatura: 0°C – 45 °C<br>Umidità: (10% – 90%) UR, senza condensa |
| Ambiente di immagazzinaggio | | Temperatura: -40°C – 70°C<br>Umidità: (5% – 90%) UR, senza condensa |
| Velocità di trasmissione dati | | Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex)<br>Fast Ethernet: 100 Mbps (half duplex) / 200 Mbps (full duplex)<br>Gigabit Ethernet: 2000 Mbps (full duplex) |
| Mezzi di trasmissione | | Ethernet: Cavo UTP/STP CAT3 o superiore<br>Fast Ethernet: Cavo UTP/STP CAT5 o superiore<br>Gigabit Ethernet: Cavo UTP/STP CATSE o CAT6<br>1000Base-SX: MMF<br>1000Base-LX: MMF o SMF |
| Standard di rete | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Especificações — Português

| Modelo | | G1110PF-8-102W |
|---|---|---|
| Porta | Porta RJ45 10/100/1000 Mbps | 9 |
| | Porta SFP 1000 Mbps | 1 porta SFP independente |
| | Modos de funcionamento | Standard, VLAN, Extend |
| Desempenho | Modo de comutação | Guardar e reencaminhar |
| | Aprendizagem de endereços MAC | Envelhecimento automático, aprendizagem automática |
| | Tabela de endereços MAC | 16 K |
| Fonte de alimentação PoE | Norma PoE | IEEE 802.3af, IEEE 802.3at |
| | Núcleo do cabo de energia PoE | 8 núcleos: a tensão dos núcleos 1, 2, 4, 5 é superior e a dos núcleos 3, 6, 7, 8 é +. |
| | Porta de PoE | 1 – 8 |
| | Saída máxima de uma única porta | 30 W |
| | Saída máxima do comutador | 92 W |
| Dimensões (C x L x A) | | 177.5 mm x 104 mm x 26 mm |
| Fonte de energia | Entrada | 100–240V AC, 50/60Hz, 1.6A |
| | Saída | 51V DC, 2A |
| Proteção contra raios | Porta RJ45 | Modo comum: 6 kV |
| | Fonte de energia | Modo comum: 6 kV<br>Modo diferencial: 4 kV |
| Ambiente operacional | | Temperatura: 0°C – 45°C<br>Humidade: (10% – 90%) de HR, sem condensação |
| Ambiente de armazenamento | | Temperatura: -40°C – 70°C<br>Humidade: (5% – 90%) de HR, sem condensação |
| Taxa de transmissão de dados | | Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex)<br>Ethernet rápido: 100 Mbps (half duplex)/200 Mbps (full duplex)<br>Gigabit Ethernet: 2000 Mbps (full duplex) |
| Meios de transmissão | | Ethernet: Cabo CAT3 UTP/STP ou superior<br>Ethernet rápido: Cabo CAT5 UTP/STP ou superior<br>Gigabit Ethernet: Cabo CATSE ou CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF ou SMF |
| Padrões de rede | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Especificaciones — Español

| Modelo | | G1110PF-8-102W |
|---|---|---|
| Puerto | Puerto RJ45 10/100/1000 Mbps | 9 |
| | Puerto SFP de 1000 Mbps | 1 puerto SFP independiente |
| | Modo de funcionamiento | Standard, VLAN, Extend |
| Rendimiento | Modo de conmutación | Almacenar y retransmitir |
| | Aprendizaje de direcciones MAC | Vencimiento automático, aprendizaje automático |
| | Tabla de direcciones MAC | 16 K |
| Fuente de alimentación PoE | Estándar de PoE | IEEE 802.3af, IEEE 802.3at |
| | Núcleo del cable de alimentación PoE | 8 núcleos: el voltaje de los núcleos 1, 2, 4 y 5 es +, y el de los núcleos 3, 6, 7, 8 es -. |
| | Puerto PoE | 1 – 8 |
| | Salida máxima de un solo puerto | 30 W |
| | Salida máxima del conmutador | 92 W |
| Dimensiones (L x An x Al) | | 177.5 mm x 104 mm x 26 mm |
| Fuente de alimentación | Entrada | 100 – 240 V CA, 50/60 Hz, 1.6A |
| | Salida | 51 V CC, 2A |
| Protección contra rayos | Puerto RJ45 | Modo común: 6 kV |
| | Fuente de alimentación | Modo común: 6 kV<br>Modo diferencial: 4 kV |
| Entorno de funcionamiento | | Temperatura: 0°C – 45 °C<br>Humedad: 10 %-90 % HR, sin condensación |
| Entorno de almacenamiento | | Temperatura: -40°C – 70 °C<br>Humedad: 5 %-90 % HR, sin condensación |
| Velocidad de transmisión de datos | | Ethernet: 10 Mbps (dúplex medio)/20 Mbps (dúplex completo)<br>Fast Ethernet: 100 Mbps (dúplex medio)/200 Mbps (dúplex completo)<br>Gigabit Ethernet: 2000 Mbps (dúplex completo) |
| Medios de transmisión | | Ethernet: Cable CAT3 UTP/STP o superior<br>Fast Ethernet: Cable CAT5 UTP/STP o superior<br>Gigabit Ethernet: Cable CATSe o CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF o SMF |
| Estándares de red | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Spécifications — Français

| Modèle | | G1110PF-8-102W |
|---|---|---|
| Port | Port RJ45 10/100/1000 Mbps | 9 |
| | Port SFP 1000 Mbps | 1 port SFP indépendant |
| | Mode de fonctionnement | Standard, VLAN, Extend |
| Performance | Mode de commutation | Stockage et transmission |
| | Apprentissage des adresses MAC | Auto vieillissement, auto apprentissage |
| | Tableau des adresses MAC | 16 K |
| Alimentation électrique PoE | Norme PoE | IEEE 802.3af, IEEE 802.3at |
| | Âmes des câbles d'alimentation PoE | 8 cœurs : la tension des noyaux 1, 2, 4, 5 est + et celle des noyaux 3, 6, 7, 8 est - |
| | Port PoE | 1 – 8 |
| | Sortie maximale d'un port unique | 30 W |
| | Sortie maximale du commutateur | 92 W |
| Dimensions (L x W x H) | | 177.5 mm x 104 mm x 26 mm |
| Alimentation électrique | Entrée | 100–240V AC, 50/60Hz, 1.6A |
| | Sortie | 51 V CC, 2A |
| Protection contre la foudre | Port RJ45 | Mode commun : 6 kV |
| | Alimentation électrique | Mode commun : 6 kV<br>Mode différentiel : 4 kV |
| Environnement opérationnel | | Température : 0°C – 45°C<br>Humidité : (10 % – 90 %) HR, non-condensant |
| Environnement de stockage | | Température : -40°C – 70°C<br>Humidité : (5 % – 90 %) HR, non-condensant |
| Taux de transmission des données | | Ethernet : 10 Mbps (semi duplex)/20 Mbps (duplex intégral)<br>Fast Ethernet : 100 Mbps (semi duplex)/200 Mbps (duplex intégral)<br>Gigabit Ethernet : 2000 Mbps (duplex intégral) |
| Support de transmission | | Ethernet : CAT3 UTP/STP ou supérieur<br>Fast Ethernet : CAT5 UTP/STP ou supérieur<br>Gigabit Ethernet : CATSe ou CAT6 UTP/STP<br>1000Base-SX : MMF<br>1000Base-LX : MMF ou SMF |
| Normes réseau | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Dane techniczne — Polski

| Model | | G1110PF-8-102W |
|---|---|---|
| Port | Port RJ45 10/100/1000 Mb/s | 9 |
| | Port SFP 1000 Mb/s | 1 niezależny port SFP |
| Wydajność | Tryb pracy | Standard, VLAN, Extend |
| | Tryb przełączania | Zapisz-i-naprzód |
| | Nauka adresów MAC | Nauka samodzielna, automatyczne starzenie |
| | Tabela adresów MAC | 16 K |
| System zasilania PoE | Standard PoE | IEEE 802.3af, IEEE 802.3at |
| | Rdzeń kabla zasilającego PoE | 8 rdzeni: napięcie rdzeni 1, 2, 4, 5 wynosi +, a rdzeni 3, 6, 7, 8 wynosi - |
| | Port PoE | 1 – 8 |
| | Maksymalna moc wyjściowa pojedynczego portu | 30 W |
| | Maksymalna moc wyjściowa przełącznika | 92 W |
| Wymiary (dł. x szer. x wys.) | | 177.5 mm x 104 mm x 26 mm |
| Zasilanie | Wejściowe | 100 – 240V AC, 50/60Hz, 1.6A |
| | Wyjściowe | 51V DC, 2A |
| Ochrona odgromowa | Port RJ45 | Tryb wspólny: 6 kV |
| | Zasilanie | Tryb wspólny: 6 kV<br>Tryb różnicowy: 4 kV |
| Środowisko pracy | | Temperatura: 0°C – 45°C<br>Wilgotność: (10–90%) wilgotności względnej, bez kondensacji |
| Środowisko przechowywania | | Temperatura: -40°C – 70°C<br>Wilgotność: (5–90%) wilgotności względnej, bez kondensacji |
| Szybkość transmisji danych | | Siec Ethernet: 10 Mb/s (półdupleksu) / 20 Mb/s (pełny dupleks)<br>Szybka sieć Ethernet: 100 Mb/s (półdupleksu) / 200 Mb/s (pełny dupleks)<br>Gigabitowa sieć Ethernet: Kabel CATSe lub CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF lub SMF |
| Środki transmisji | | Siec Ethernet: Kabel CAT3 UTP/STP lub lepszy<br>Szybka siec Ethernet: Kabel CAT5 UTP/STP lub lepszy<br>Gigabitowa siec Ethernet: Kabel CATSe lub CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF lub SMF |
| Standardy sieciowe | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Specificaţii — Română

| Model | | G1110PF-8-102W |
|---|---|---|
| Port | Port RJ45 10/100/1000 Mbps | 9 |
| | Port SFP 1000 Mbps | 1 port SFP independent |
| | Mod de funcionare | Standard, VLAN, Extend |
| Performanţă | Switching mode | Store-and-forward |
| | MAC address table learning | Auto aging, auto learning |
| | MAC address table | 16 K |
| Alimentare PoE | PoE standard | IEEE 802.3af, IEEE 802.3at |
| | Conductor cablu de alimentare PoE | 8 conductori: tensiunea conductorilor 1, 2, 4, 5 este +, iar a conductorilor 3, 6, 7, 8 este -. |
| | PoE port | 1 – 8 |
| | Putere maximă per port | 30 W |
| | Putere maximă pe switch-dul | 92 W |
| Dimensiuni (L x l x I) | | 177.5 mm x 104 mm x 26 mm |
| Sursa de alimentare | Intrare | 100 – 240 V c.a., 50/60 Hz, 1.6A |
| | Ieşire | 51 V c.c., 2A |
| Protecţie împotriva descărcărilor electrice | RJ45 port | Mod obişnuit: 6 KV |
| | Sursa de alimentare | Mod obişnuit: 6 KV<br>Mod diferenţial: 4 KV |
| Mediu de funcţionare | | Temperatura: 0°C – 45°C<br>Umiditate: (10% – 90%) umiditate relativă, fără condens |
| Mediu de depozitare | | Temperatura: -40°C – 70°C<br>Umiditate: (5% – 90%) umiditate relativă, fără condens |
| Viteză de transmisie a datelor | | Ethernet: 10 Mbps (semi duplex)/20 Mbps (duplex complet)<br>Fast Ethernet: 100 Mbps (semi duplex)/200 Mbps (duplex complet)<br>Ethernet Gigabit: 2000 Mbps (duplex complet) |
| Mediu de transmitere | | Ethernet: Cablu CAT3 UTP/STP sau o versiune mai nouă<br>Fast Ethernet: Cablu CAT5 UTP/STP sau o versiune mai nouă<br>Ethernet Gigabit: CATSe sau CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF sau SMF |
| Standard reţea | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Specifikáció — Magyar

| Modell | | G1110PF-8-102W |
|---|---|---|
| Port | 10/100/1000 Mb/s RJ45 port | 9 |
| | 1000 Mb/s SFP port | 1 szabad SFP port |
| | Üzemmódok | Standard, VLAN, Extend |
| Működés | Kapcsolási mód | Tárol és továbbít |
| | MAC címtáblázat tanulás | Önkurálás, automatikus öregedés |
| | MAC cím táblázat | 16 K |
| PoE tápellátás | PoE szabvány | IEEE 802.3af, IEEE 802.3at |
| | PoE tápkábel erek száma | 8 ér: az 1-es, 2-es, 4-es, 5-ös érek feszültsége + (pozitív); a 3-as, 6-os, 7-es, 8-as érekné pedig – (negatív) |
| | PoE port | 1 – 8 |
| | Egyetlen port maximális kimenete | 30 W |
| | A váltó maximális kimenete | 92 W |
| Méretek (H x Sz x M) | | 177.5 mm x 104 mm x 26 mm |
| Tápellátás | Bemenet | 100–240 V váltóáram, 50/60Hz, 1.6A |
| | Kimenet | 51 V DC, 2A |
| Villámcsapás védelem | RJ45 port | Közös üzemmód: 6 kV |
| | Tápellátás | Közös üzemmód: 6 kV<br>Differenciál üzemmód: 4 kV |
| Működési környezet | | Hőfok: 0°C – 45°C<br>Páratartalom: 10 – 90% RH, nem kicsapódó |
| Tárolási környezet | | Hőfok: -40°C – 70°C<br>Páratartalom: 5 – 90% RH, nem kicsapódó |
| Adatátviteli sebesség | | Ethernet: 10 Mb/s (félduplex)/20 Mb/s (teljes duplex)<br>Fast Ethernet: 100 Mb/s (félduplex)/200 Mb/s (teljes duplex)<br>Gigabit Ethernet: 2000 Mb/s (teljes duplex) |
| Átvitelt közeg | | Ethernet: CAT3 UTP/STP vagy gyorsabb kábel<br>Fast Ethernet: CAT5 UTP/STP vagy gyorsabb kábel<br>Gigabit Ethernet: CATSe vagy CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF vagy SMF |
| Hálózati szabványok | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## Özellikler — Türkçe

| Model | | G1110PF-8-102W |
|---|---|---|
| Port | 10/100/1000 Mbps RJ45 portu | 9 |
| | 1000 Mbps SFP portu | 1 bağımsız SFP portu |
| | Çalışma Modu | Standard, VLAN, Extend |
| Performans | Anahtarlama modu | Saklı ve gönder |
| | MAC adresi öğrenme | Otomatik yaşlanma, otomatik öğrenme |
| | MAC adres tablosu | 16 K |
| PoE güç kaynağı | PoE standardı | IEEE 802.3af, IEEE 802.3at |
| | PoE güç kablosu çekirdeği | 8 çekirdek: Çekirdek 1, 2, 4, 5, İçin voltaj + ve çekirdek 3, 6, 7, 8 için voltaj - |
| | PoE portu | 1 – 8 |
| | Tek bir portun maksimum çıkış gücü | 30 W |
| | Switch'in maksimum çıkış gücü | 92 W |
| Boyutlar (B x E x Y) | | 177.5 mm x 104 mm x 26 mm |
| Güç kaynağı | Giriş | 100 – 240V AC, 50/60Hz, 1.6A |
| | Çıkış | 51V DC, 2A |
| Yıldırım korunması | RJ45 portu | Ortak mod: 6 kV |
| | Güç kaynağı | Ortak mod: 6 kV<br>Diferansiyel mod: 4 kV |
| Çalışma ortamı | | Sıcaklık: 0°C – 45°C<br>Nem: (%10 – %90) RH, yoğunlaşmaz |
| Depolama ortamı | | Sıcaklık: -40°C – 70°C<br>Nem: (%5 – %90) RH, yoğunlaşmaz |
| Veri iletim hızı | | Ethernet: 10 Mbps (yarım çift yönlü) / 20 Mbps (tam çift yönlü)<br>Hızlı Ethernet: 100 Mbps (yarım çift yönlü) / 200 Mbps (tam çift yönlü)<br>Gigabit Ethernet: 2000 Mbps (tam çift yönlü) |
| İletim Ortamları | | Ethernet: CAT3 UTP/STP veya daha iyisi<br>Fast Ethernet: CAT5 UTP/STP veya daha iyisi<br>Gigabit Ethernet: CATSE veya CAT6 UTP/STP<br>1000Base-SX: MMF<br>1000Base-LX: MMF veya SMF |
| Ağ Standartları | | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at |

## المواصفات — العربية

| G1110PF-8-102W | | الطراز |
|---|---|---|
| 9 | 10/100/1000 منفذ ذاتية بسرعة ميجابيت في الثانية | المنافذ |
| 1 منفذ SFP مستقل | منفذ SFP بسرعة 1000 ميجابيت في الثانية | |
| Standard ، VLAN، Extend | نمط العمل | |
| تخزين وإعادة توجيه | نمط التحويل | الأداء |
| تعلم جدول عناوين MAC | الشبكة الفرعية التلقائية ، التعلم التلقائي | |
| 16 K | جدول عناوين MAC | |
| IEEE 802.3af, IEEE 802.3at | معايير PoE (الطاقة عبر الإيثرنت) | إمداد الطاقة PoE (الطاقة عبر الإيثرنت) |
| 8 أنواع: جهد الأنواع 1 و 2 و 4 و 5 هو الموجب (+)، والأنواع 3 و 6 و 7 و 8 بالسالب (-) | نوعا كابل نقل الطاقة PoE | |
| من 1 إلى 8 | منفذ PoE (الطاقة عبر الإيثرنت) | |
| 30 وط | القصى قدرة ناتجة من منفذ واحد | |
| 92 وط | القصى قدرة ناتجة من المحول | |
| 177.5 مم x 104 مم x 26 مم | الأبعاد (الطول × العرض × الارتفاع) | |
| تيار متردد بجهد 100 - 240 فولت، 50/60 هرتز، 1.6 أمبير | الدخل | إمداد الطاقة |
| 51 فولت تيار مستمر، 2 أمبير | الخرج | |
| منفذ RJ45 | النمط المشترك: 6 كيلو فولت | الوقاية من الصواعق |
| إمداد الطاقة | النمط المشترك: 6 كيلو فولت<br>النمط التفاضلي: 4 كيلو فولت | |
| درجة الحرارة: 0 درجة مئوية - 45 درجة مئوية<br>الرطوبة: رطوبة نسبية (10% - 90%)، بدون تكثف | | بيئة التشغيل |
| درجة الحرارة: -40 درجة مئوية - 70 درجة مئوية<br>الرطوبة: رطوبة نسبية (5% - 90%)، بدون تكثف | | بيئة التخزين |
| إيثرنت: 10 ميجابت في الثانية (إيثرنت نصف مزدوج) / 20 ميجابت في الثانية (إيثرنت كامل الازدواج)<br>شبكة إيثرنت السريعة: 100 ميجابت في الثانية (إيثرنت نصف مزدوج) / 200 ميجابت في الثانية (إيثرنت كامل الازدواج)<br>شبكة إيثرنت بسرعة 2000 ميجابت في الثانية (إيثرنت كامل الازدواج) | | معدل نقل البيانات |
| إيثرنت: CAT3 UTP/STP أو أفضل<br>شبكة إيثرنت سريعة: CAT5 UTP/STP أو أفضل<br>CATSE UTP/STP أو CAT6 لشبكة إيثرنت جيجابت<br>1000Base-SX: MMF<br>1000Base-LX: MMF ، SMF | | وسائط الإرسال |
| IEEE 802.3ab ، IEEE 802.3af ، IEEE 802.3u ، IEEE 802.3 ، IEEE 802.3x ، IEEE 802.3z ، IEEE 802.3at | | معايير الشبكة |

## FAQ

**1. The Power LED indicator does not light up. What should I do?**
- Ensure that the power adapter is connected to the switch and the power jack properly.
- Ensure that the power jack is powered on.
- Ensure that the input voltage matches the value required by the switch.

**2. PoE ports does not supply power for devices. What should I do?**
- Ensure that the powered devices comply with the IEEE 802.3af/at standards.
- Ensure that the power consumption/total power consumption does not exceed the maximum output power of each port/the switch.
- Ensure that the powered devices are connected to the switch properly with CAT5e or better Ethernet cables.

### CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

**Caution:**

Adapter Model: BN038-A10151
Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100–240V AC, 50/60Hz 1.6A
Output: 51V, 2A
⎓ : DC Voltage

## Safety and statement

Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information. The installation and maintenance personnel need to understand the basic safety precautions to be taken.

1. Do not use this apparatus near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings, such as newspapers, table-cloth, curtains, etc.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other