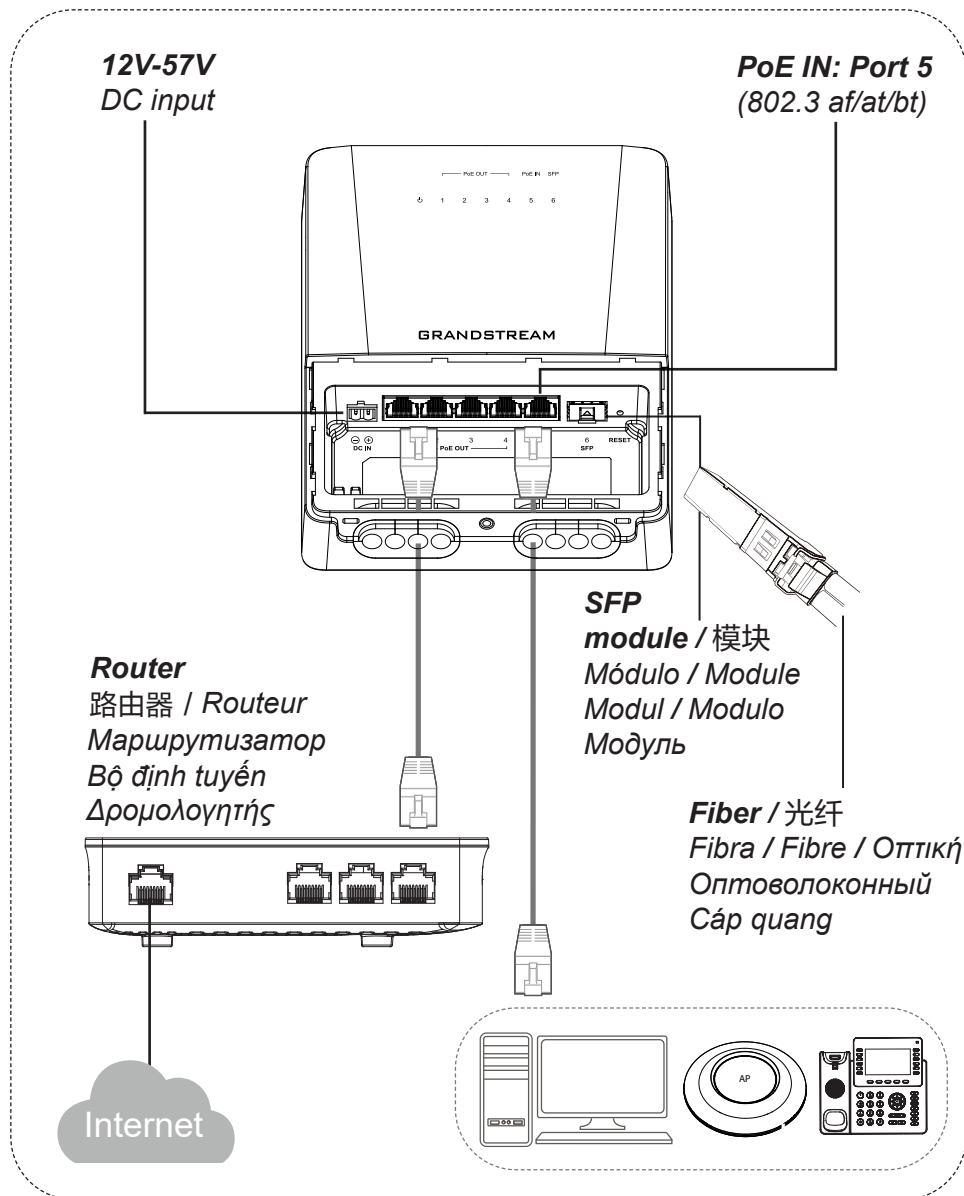




GWN7710R

6-Port Outdoor L2 Lite Managed Switch

Quick Installation Guide

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EN
Operating Temperature: -40 to 60 °C (-40 to 140 °F)
Storage Temperature: -40 to 70 °C (-40 to 158 °F)
Operating Humidity: Support IP66 waterproof
Storage Humidity: 10% to 95% Non-condensing
SFP Port

- Ethernet Port:** Gigabit RJ-45 port
- Port 1-4 Compliant with the 802.3af/at standard: support up to 30W on each PoE port; Port 1-4 can also switch to 24VDC or 48VDC Passive PoE-Out mode via (Configured via UI).
 - Port 1: 4-pair 48V DC up to 60W or 4-pair 24V DC up to 30W; Port 2-4: 2-pair 48V DC up to 30W or 2-pair 24V DC up to 15W.

4-Pair	powered on pins: 1,2,4,5(+), 3,6,7,8(-)
2-Pair	powered on pins: 4,5(+), 7,8(-)

Power line specification (AWG) vs Current (A) for reference:

AWG	Out Diameter		Current (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Users must select the appropriate power line based on the PoE output power.
- Users can get the input current from the port info page by accessing the device WebUI.
- It's recommended to use power cords larger than 15 AWG for low voltage and high PoE power output.

ZH

- 操作温度：-40至60° C（-40至140° F）
存储温度：-40至70° C（-40至158° F）
工作湿度：支持 IP66 防水
存储湿度：10% ~ 95%不凝结
SFP 端口
以太网端口: 10/100/1000 Mbps RJ-45
- 符合802.3af/at标准: 每个PoE端口1-4支持最高30W; 端口1-4也可以通过Web UI切换为24V DC或48V DC PoE被动输出模式。
 - 端口 1： 4线48V DC支持最高60W或4线24V DC支持最大30W 。 端口 2-4： 2线48V DC支持最高30W或2线24V DC支持最大15W 。

4线	通电引脚: 1,2,4,5(+), 3,6,7,8(-)
2线	通电引脚: 4,5(+), 7,8(-)

电源线规格(AWG) VS 电流(A) 供参考:

AWG	外直径		电流 (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- 用户必须根据PoE输出功率选择合适的电源线 。
- 用户可以通过访问设备网页， 从端口信息中获取输入电流 。
- 建议使用大于15AWG的电源线进行低压输入和PoE大功率输出 。

ES

Temperatura (funcionamiento): -40 a 60 °C (-40 a 140 °F)
Temperatura (almacenamiento): -40 a 70 °C (-40 a 158 °F)
Humedad de funcionamiento: Soporta estanqueidad IP66
Humedad de almacenamiento: 10% a 95 % sin condensación
Puerto SFP

- Puerto Ethernet:** puerto RJ-45 de 10/100/1000Mbps
- Cumplimiento del estándar 802.3af/at: el puerto 1-4 admiten hasta 30W en cada puerto PoE; Los puertos 1-4 también puede cambiar al modo PoE-Out pasivo de 24V DC o 48V DC a través de (configurado a través de la interfaz de usuario).
 - Puerto 1: 4 pares de 48V DC hasta 60W o 4 pares de 24V DC hasta 30W. Puerto 2-4: 2 pares de 48V DC hasta 30W o 2 pares de 24V DC hasta 15W.

4 pares	alimentado por pines: 1,2,4,5(+), 3,6,7,8(-)
2 pares	alimentado por pines: 4,5(+), 7,8(-)

Especificación de la línea eléctrica (AWG) frente a corriente (A) como referencia:

AWG	Diámetro exterior		Corriente (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Los usuarios deben seleccionar la línea de alimentación adecuada en función de la potencia de salida PoE.
- Los usuarios pueden obtener la corriente de entrada desde la página de información del puerto accediendo a la interfaz web del dispositivo.
- Sugiera utilizar un cable de alimentación mayor a 15AWG para baja tensión y alta salida de potencia PoE.

Température (Fonctionnement): -40 à 60 °C (-40 à 140 °F)
Température (Stockage): -40 à 70 °C (-40 à 158 °F)
Humidité (Fonctionnement): Compatible avec la norme d'étanchéité IP66
Humidité (Stockage): 10 % à 95 % sans condensation
Port SFP

- Port Ethernet:** port RJ45 10/100/1000 Mbps
- Port 1-4 Conforme à la norme 802.3af/at: supporte jusqu'à 30W sur chaque port PoE; Port 1-4 peut également commuter en mode PoE-Out passif 24VDC ou 48VDC via (Configuré via UI).
 - Port 1: 4 paires 48V DC jusqu'à 60W ou 4 paires 24V DC jusqu'à 30W; Port 2-4: 2 paires 48V DC jusqu'à 30W ou 2 paires 24V DC jusqu'à 15W.

4-Paires	alimenté par les broches: 1,2,4,5(+), 3,6,7,8(-)
2-Paires	alimenté par les broches: 4,5(+), 7,8(-)

Spécification de la ligne électrique (AWG) en fonction du courant (A) à titre de référence:

AWG	Diamètre extérieur		Courant (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Les utilisateurs doivent sélectionner la ligne d'alimentation appropriée en fonction de la puissance de sortie PoE.
- Les utilisateurs peuvent obtenir le courant d'entrée à partir de la page d'information sur le port en accédant à l'interface WebUI de l'appareil.
- Il est recommandé d'utiliser des cordons d'alimentation de calibre supérieur à 15 AWG pour la basse tension et la sortie d'alimentation PoE élevée.

Betriebstemperatur: -40 bis 60 °C (-40 bis 140 °F)
Legertemperatur: -40 bis 70 °C (-40 bis 158 °F)
Luftfeuchte Betrieb: Wasserdicht nach IP66
Luftfeuchte Lagerung: 10% bis 95% nicht- kondensierend

- SFP-Port**
- Ethernet-Port:** 10/100/1000 Mbps RJ-45 port
- Port 1-4 Entspricht dem Standard 802.3af/at: Unterstützung von bis zu 30 W an jedem PoE-Port; Port 1-4 kann auch in den 24 VDC oder 48 VDC passiven PoE-Out Modus geschaltet werden (konfigurierbar über UI).
 - Anschluss 1: 4 Paare 48 V DC bis zu 60 W oder 4 Paare 24 V DC bis zu 30 W. Anschluss 2-4: 2 Paare 48 V DC bis zu 30 W oder 2 Paare 24 V DC bis zu 15 W.

4-Paar	an Stiften betrieben: 1,2,4,5(+), 3,6,7,8(-)
2-Paar	an Stiften betrieben: 4,5(+), 7,8(-)

Spezifikation der Stromleitung (AWG) gegenüber Strom (A) als Referenz:

AWG	Außendurchmesser		Strom (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Abhängig von der PoE-Ausgangsleistung muss der Anwender die entsprechende Stromleitung auswählen.
- Der Benutzer kann den Eingangsstrom auf der Seite mit den Anschlussinformationen abrufen, indem er auf die WebUI des Geräts zugreift.
- Es wird empfohlen, Netzkabel mit einem Querschnitt von mehr als 15 AWG für niedrige Spannungen und hohe PoE-Ausgangsleistungen zu verwenden.

IT

Temperatura di esercizio: da -40 a 60 °C (da -40 a 140 °F)
Temperatura di stoccaggio: da -40 a 70 °C (da -40 a 158 °F)
Umidità di esercizio: Supporto IP66 impermeabile
Umidità di stoccaggio: da 10% a 95% senza condensa
Porta SFP

- Porta Ethernet:** RJ-45 10/100/1000Mbps
- Conforme allo standard 802.3af/at: le porte PoE 1-4 supportano fino a 30W ciascuna; Le porte 1-4 forniscono alimentazione PoE a 24 VDC o 48 VDC (selezionabile tramite configurazione Web).
 - Porta 1: Potenza POE massima erogabile 60W a 4 coppie 48VDC oppure max 30W a 4 coppie 24VDC; Porta 2-4: Potenza POE massima erogabile 30W a 2 coppie 48VDC oppure max 15W a 2 coppie 24VDC;

4 coppie	assegnazione pin: 1,2,4,5(+), 3,6,7,8(-)
2 coppie	assegnazione pin: 4,5(+), 7,8(-)

Specifiche del cavo di alimentazione (AWG) rispetto alla corrente (A) come riferimento:

AWG	Diametro esterno		Corrente (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Gli utenti devono selezionare il cavo di alimentazione appropriato in base alla potenza di uscita PoE.
- Gli utenti possono ottenere informazioni del consumo in corrente su una specifica porta accedendo sezione informazioni nella WebUI del dispositivo.
- Si consiglia di utilizzare un cavo di alimentazione in bassa tensione con AWG superiore a 15 con potenza in uscita PoE elevata.

Temperatura (operação): -40 a 60 °C (-40 a 140 °F)
Temperatura (armazenamento): -40 a 70 °C (-40 a 158 °F)
Umidade operacional: Suporte IP66 à prova de água
Umidade de armazenamento: 10% a 95% sem condensação
Porta SFP

- Porta Ethernet:** porta RJ-45 de 10/100/1000Mbps
- Conformidade com o padrão 802.3af/at: A porta 1-4 suportam até 30W em cada porta PoE; As portas 1-4 também pode mudar para o modo PoE-Out passivo de 24V DC ou 48V DC via (configurado via UI).
 - Porta 1: 4 pares 48V DC até 60W ou 4 pares 24V DC até 30W. Porta 2-4: 2 pares 48V DC até 30W ou 2 pares 24V DC até 15W.

4 pares	alimentado por pinos: 1,2,4,5(+), 3,6,7,8(-)
4 pares	alimentado por pinos: 4,5(+), 7,8(-)

Especificação da linha de energia (AWG) vs Corrente (A) para referência:

AWG	Diâmetro externo		Corrente (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Os usuários devem selecionar a linha de alimentação apropriada com base na potência de saída PoE.
- Os usuários podem obter a corrente de entrada na página de informações da porta acessando a interface web do dispositivo.
- É sugerido usar cabos de alimentação 15AWG ou maior para baixa tensão e alta saída de energia PoE.

RU

Рабочая температура: от -40 до 60 °C (от -40 до 140 °F)
Температура хранения: от -40 до 70 °C (от -40 до 158 °F)
Рабочая влажность: Поддержка IP66 водонепроницаемый
Влажность хранения: от 10% до 95% без конденсации
Порт SFP

- Порт Ethernet:** RJ-45 10/100/1000Мбит/с
- Соответствие стандарту 802.3af/at: Порт1-4 поддерживают до 30 Вт на каждый порт PoE; Порты 1-4 могут также переключаться в режим пассивного PoE-Out на 24В или 48В постоянного тока (настраивается через пользовательский интерфейс).
 - Порт 1: 4-парный 48В постоянного тока мощностью до 60 Вт или 4-парный 24В постоянного тока мощностью до 30 Вт. Порт 2-4: 2-парный 48В постоянного тока мощностью до 30 Вт или 2-парный 24В постоянного тока мощностью до 15 Вт;

4-Пары	питание на контактах: 1,2,4,5(+), 3,6,7,8(-)
2-Пары	питание на контактах: 4,5(+), 7,8(-)

Спецификация линии электропередачи (AWG) против тока (A) для справки:

AWG	Выходной диаметр		Ток (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Пользователи должны выбрать подходящую линию питания в зависимости от выходной мощности PoE.
- Пользователи могут получить данные о входном токе на странице информации о порте, зайдя в WebUI устройства.
- Рекомендуется использовать кабель питания более 15 AWG для низкого напряжения и высокой выходной мощности PoE.

Nhiệt độ hoạt động: -40 đến 60 °C (-40 đến 140 °F)
Nhiệt độ bảo quản: -40 đến 70 °C (-40 đến 158 °F)

Độ ẩm hoạt động: Hỗ trợ chống nước IP66
Độ ẩm bảo quản: 10% đến 95% Không ngưng tụ
cổng SFP

- Cổng mạng RJ-45:** 10/100/1000Mbps
- Tuân thủ tiêu chuẩn 802.3af/at: các cổng 1-4 hỗ trợ tối đa 30W trên mỗi cổng PoE; Cổng 1-4 là nguồn PoE-Out thu động 24VDC hoặc 48VDC (Cấu hình qua web).
 - Cổng 1: Sử dụng 4 đôi cho 48V DC 60Wt hoặc 24V DC 30 Wat. Cổng 2-4: Sử dụng 2 đôi cho 48V DC 30Wat hoặc 24V DC 15 Wat.

4 đôi	Nguồn cấp trên chân: 1,2,4,5(+), 3,6,7,8(-)
2 đôi	Nguồn cấp trên chân: 4,5(+), 7,8(-)

Thông số đường dây nguồn (AWG) so với hiện tại (A) để tham khảo:

AWG	Đường kính ngoài		Hiện hành (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Người dùng phải chọn đường dây điện phù hợp dựa trên công suất đầu ra PoE.
- Người dùng có thể nhận dòng điện đầu vào từ trang thông tin công bằng cách truy cập WebUI của thiết bị.
- Nên sử dụng hơn 15 dây nguồn AWG cho đầu ra nguồn điện áp thấp và PoE cao.

Επίπεδα θερμοκρασίας κατά τη λειτουργία: -40 έως 60 °C (-40 έως 140 °F)
Επίπεδα θερμοκρασίας κατά τη αποθήκευση: -40 έως 70 °C (-40 έως 158 °F)

Επίπεδα υγρασίας κατα τη λειτουργία: Υποστήριξη IP66 αδιάβροχο
Επίπεδα υγρασίας κατα τη αποθήκευση: 10% έως 95% Μη συμπυκνωμένη
Θύρα SFP

- Θύρα Ethernet:** Θύρα RJ-45 10/100/1000Mbps
- Συμμόρφωση με το πρότυπο 802.3af/at: Οι θύρες 1-4 υποστηρίζουν έως και 30W σε κάθε θύρα PoE; Η θύρα 1-4 μπορεί επίσης να μεταβεί σε λειτουργία PoE 24VDC ή 48VDC παθητικής εξόδου (Διαμόρφωση μέσω UI).
 - Θύρα 1: 4-ζευγών 48V DC έως 60W ή 4-ζευγών 24V DC έως 30W. Θύρα 2-4: 2-ζευγών 48V DC έως 30W ή 2-ζευγών 24V DC έως 15W.

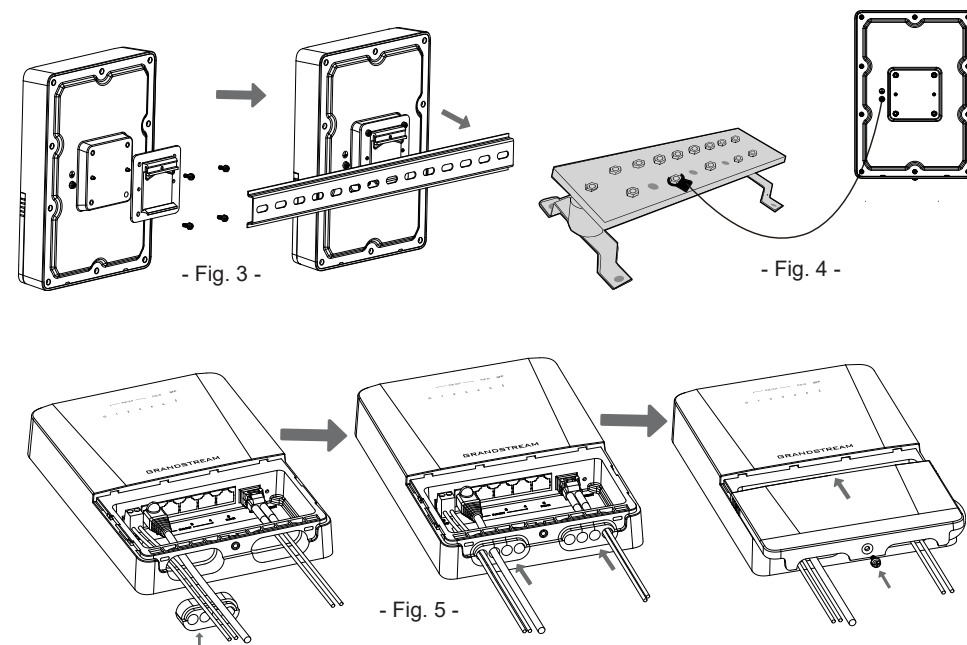
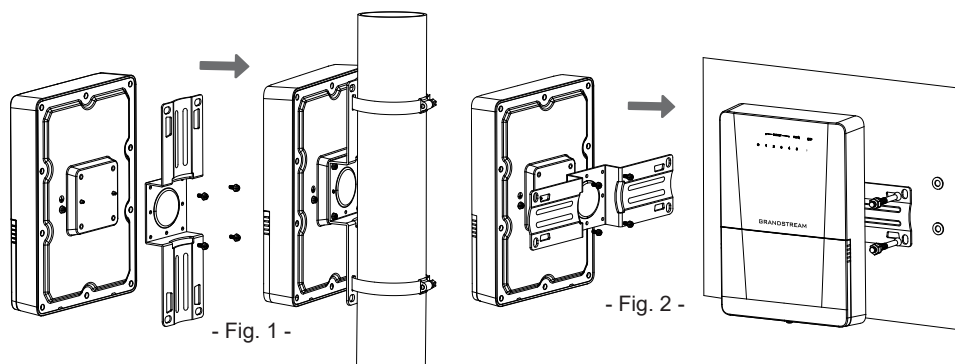
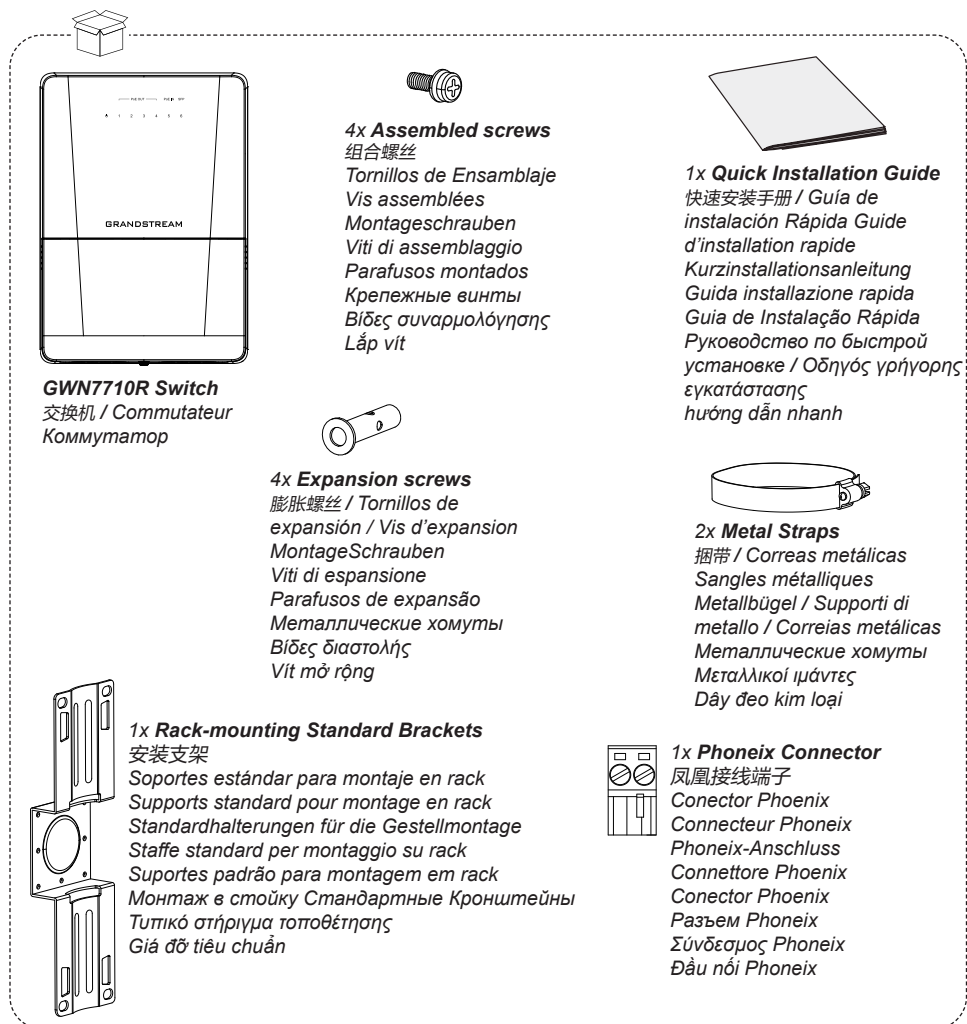
4-Ζεύγο	Τροφοδοσία στα pins: 1,2,4,5(+), 3,6,7,8(-)
2-Ζεύγο	Τροφοδοσία στα pins: 4,5(+), 7,8(-)

Προδιαγραφές γραμμής ισχύος (AWG) έναντι ρεύματος (A) για αναφορά:

AWG	Εξωτερική διάμετρος		Ρεύμα (A)
	mm	inch	
14	1.63	0.0641	8
15	1.45	0.0571	6.5
16	1.29	0.0508	5.2
17	1.15	0.0453	4.1
18	1.02	0.0403	3.2

- Οι χρήστες πρέπει να επιλέξουν την κατάλληλη γραμμή ισχύος με βάση την ισχύ εξόδου PoE.
- Οι χρήστες μπορούν να λάβουν το ρεύμα εισόδου από τη σελίδα πληροφοριών θύρας μεταβαίνοντας στο WebUI της συσκευής.
- Προτείνεται να χρησιμοποιήσετε καλώδια τροφοδοσίας με εξωτερική διάμετρο μεγαλύτερη από 15 AWG για χαμηλή τάση και υψηλή απόδοση ισχύος PoE.

VI



Pole Mount (FIG .1)

1. Attach the bracket to the back of the unit using the assembled screws.
2. Open the metal straps by turning the locking mechanism counter-clockwise. You can loosen it by hand or use a flathead screwdriver.
3. Straighten out the end of the metal straps and slide it through the back of the bracket.
4. Wrap the metal strap around the pole and use a flathead screwdriver to tighten the locking mechanism by turning it clockwise

Wall Mount (FIG .2)

1. Rotate the bracket 90° and attach it horizontally on the back of the device with assembled screws.
2. Drill four holes on the wall referring to the positions of the ones on the bracket. Then, fix an expansion screw in each hole.
3. Attach the device by securing the bracket with the expansion screws on the wall.

DIN-Rail Mount (FIG .3)

1. Attach the DIN-Rail bracket with screws on the back of the device.
2. Clamp the DIN-Rail bracket to the universal guide rail.

Note: DIN-Rail bracket is not provided.

Grounding the Switch (FIG .4)

1. Remove the ground screw from the back of the device, and connect one end of the ground cable to the wiring terminal of the device.
2. Put the ground screw back into the screw hole, and tighten it with a screwdriver.
3. Connect the other end of the ground cable to other device that has been grounded or directly to the terminal of the ground bar in the equipment room.

Note: Ground cable is not provided.

Cable Installation (FIG .5)

1. Insert the cable through the hole under the device housing and connect it to the corresponding interface, then insert the other end of the cable into the waterproof silicone plug.
2. Insert the waterproof silicone plug into the designated position under the device housing.
3. Push the anti-water shell in the direction of the arrow until the bottom shell is completely closed, and then use screws to fix it.

ACCESS & CONFIGURE

Note: If no DHCP server is available, the GWN7710R default IP address is 192.168.0.254.

Method 1: Login using the Web UI

1. A PC uses a network cable to correctly connect any RJ45 port of the switch.
2. Set the Ethernet (or local connection) IP address of the PC to 192.168.0.x ("x" is any value between 1-253), and the subnet mask to 255.255.255.0, so that it is in the same network segment with switch IP address. If DHCP is used, this step could be skipped.
3. Type the switch's management IP address `http://<gwn7710R_IP>` in the browser, and enter username and password to login. (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7710R switch).

Method 2: Configure using GWN.Cloud / GWN Manager

Type `https://www.gwn.cloud` (`https://<gwn_manager_IP>` for GWN Manager) in the browser, and enter the account and password to login the cloud platform. If you don't have an account, please register first or ask the administrator to assign one for you. To add GWN switch to GWN.Cloud/GWN manager refer to online documentation: <https://documentation.grandstream.com>

LED INDICATOR

LED Indicator	Status		Description
Power	Green	Off	Power off
		On	System power on
	Red	On	Low temperature starting
PoE Out Port	Green	On	Link
		Flashing	Active
	Orange	On	48VDC PoE output; (Force on when passive PoE mode)
		1S On 1S Off	48VDC PoE output overload/Short-circuit
	Blue	On	24VDC PoE output; (Force on when passive PoE mode)
		1S On 1S Off	24VDC PoE output overload/Short-circuit
PoE In Port	Green	On	Link
		Flashing	Active
	Orange	On	Powered by PoE In
SFP	Green	On	Link
		Flashing	Active