Quick Start Guide

16-Port L2+/L3 Lite 10G Switch with Two 40G Uplinks

ECS5520-18X | ECS5520-18T

Edge-corE®

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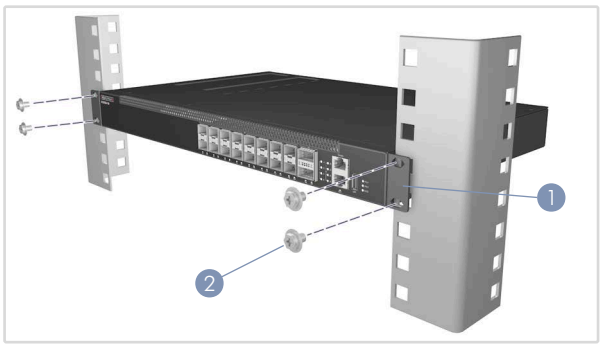
Package Contents

1. ECS5520-18X or ECS5520-18T (with 1 AC PSU)
2. Rack Mounting Kit—2 brackets and 8 screws
3. Four adhesive rubber feet
4. Power cord
5. Console cable—RJ-45 to DB-9
6. Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*

Caution: This equipment is not suitable for use in locations where children are likely to be present.
Attention: Cet équipement ne convient pas à une utilisation dans des endroits où des enfants sont susceptibles d'être présents.

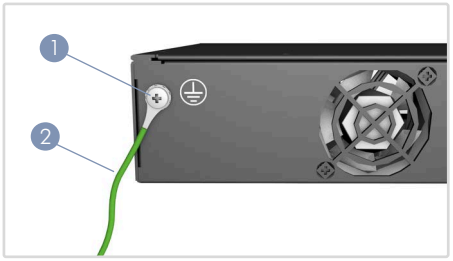
1 Mount the Switch



1. Attach the brackets to the switch.
2. Use the screws and cage nuts supplied with the rack to secure the switch in the rack.

Note: The switch can also be installed on a desktop or shelf using the included adhesive rubber foot pads.

2 Ground the Switch



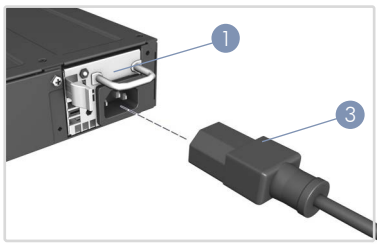
1. Ensure the rack on which the switch is to be mounted is properly grounded and in compliance with ETSI ETS 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment)
2. Attach a lug (not provided) to a #18 AWG minimum grounding wire (not provided), and connect it to the grounding point on the switch rear panel. Connect the other end of the wire to rack ground.

Caution: The earth connection must not be removed unless all supply connections have been disconnected.
Attention: Le raccordement à la terre ne doit pas être retiré sauf si toutes les connexions d'alimentation ont été débranchées.

Caution: The device must be installed in a restricted-access location. It should have a separate protective earthing terminal on the chassis that must be permanently connected to earth to adequately ground the chassis and protect the operator from electrical hazards.
Attention: L'appareil doit être installé dans un emplacement à accès restreint. Il doit comporter une borne de terre de protection distincte sur le châssis, qui doit être connectée en permanence à la terre pour assurer une mise à la terre adéquate du châssis et protéger l'opérateur des risques électriques.

3 Connect Power

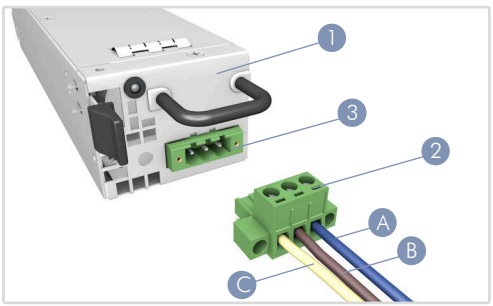
a. Connecting AC Power



1. PSU Vendor: Great Wall model GW-T150WV12
2. PSU Vendor: UMEC model UPD1501SA
3. Install one or two universal AC PSUs in the switch and connect an external AC power source to the PSUs.

Note: For international use, you may need to change the AC line cord. You must use line cord sets that have been approved for the socket type in your country.
Note: AC PSUs from different vendors must not be installed at the same time.

b. (Optional) Connecting DC Power



1. Install one or two DC PSUs in the switch.
2. Connect the DC power supply wires to the supplied connector as follows:
   - A – Blue Wire: DC Return
   - B – Brown Wire: -36 – -72 VDC
   - C– Yellow Wire - Chassis Ground

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3. Insert the DC supply connector into the DC PSU power input socket.

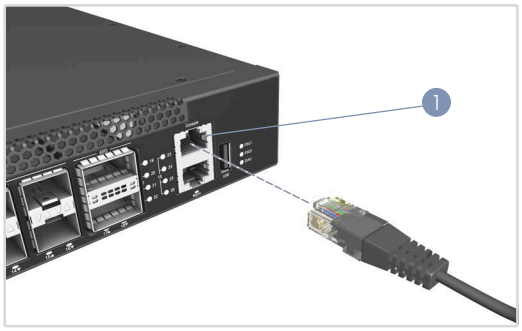
Caution: Use a UL/IEC/EN 60950-1 and/or 62368-1 certified power supply to connect to a DC converter, and #18 AWG wire to connect to a DC PSU.
Attention: Utilisez une alimentation certifiée UL/IEC/EN 60950-1 et/ou 62368-1 pour le connecter à un convertisseur CC et un câble AWG #18 pour vous connecter à une alimentation CC.

4 Verify Switch Operation

1. Verify basic switch operation by checking the system LEDs.When operating normally, the PSU1/PSU2 and the DIAG LED should all be on green.

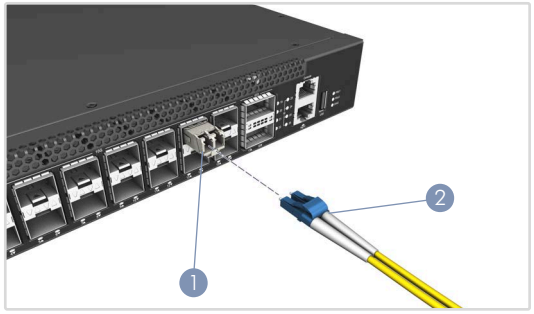
5 Perform Initial Configuration

1. At this point you may need to make a few basic switch configuration changes before connecting to the network. It is suggested to connect to the switch console port to perform this task.
2. The serial port's configuration requirements are as follows: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.
3. You can log in to the command-line interface (CLI) using default settings: User "admin" with password "admin".



4. For information on initial switch configuration, refer to the *CLI Reference Guide*.

6 Connect Network Cables



1. For the SFP/SFP+/QSFP+ slots, first install SFP/SFP+/QSFP+ transceivers and then connect fiber optic cabling to the transceiver ports. The following transceivers are supported:
   - 1000BASE-SX (ET4201-SX)
   - 1000BASE-LX (ET4201-LX)
   - 10GBASE-SR (ET5402-SR)
   - 10GBASE-LR (ET5402-LR)
   - 40GBASE-SR4 (ET6401-SR4)
   - 40GBASE-LR4 (ET6401-LR4)
2. As connections are made, check the port status LEDs to be sure the links are valid:
   - On/Blinking Green — Port has a valid link. Blinking indicates network activity

Hardware Specifications

Switch Chassis

Size (WxDxH)	ECS5520-18X: 43.8 x 28.0 x 4.3 cm (17.26 x 11.02 x 1.71 in.) ECS5520-18T: 44.0 x 28.0 x 4.4 cm (17.32 x 11.02 x 1.73 in.)
Weight	ECS5520-18X: 3.9 kg (8.6 lb) with 1 PSU ECS5520-18T: 4.1 kg (9.04 lb) with 1 PSU
Temperature	Operating: 0° C to 50° C (32° F to 122° F), ECS5520-18T 0° C to 55° C (32° F to 131° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 5% to 95% (non-condensing)

AC PSU Power Specification (Great Wall model GW-T150WV12)

AC Input Power	100–240 VAC 50–60 Hz, 3–1.5 A
PSU Power Rating	150 W x 2 AC PSU

AC PSU Power Specification (UMEC model UPD1501SA)

AC Input Power	100–240 VAC 50–60 Hz, 4–2 A
PSU Power Rating	150 W x 2 AC PSU

DC PSU Power Specification

DC Input Power	-36– -72 VDC, 6–3 A
PSU Power Rating	150 W x 2 DC PSU

Regulatory Compliances

Emissions	EN 55032 EN 61000-3-2, Class A EN 61000-3-3 FCC, Class A VCCI, Class A AS/NZS CISPR 32 ICES-003 Issue 7 Class A CNS 15936
Immunity	EN55035
Safety	UL (CSA 22.2 No 62368-1 & UL 62368-1) CB (IEC/EN 62368-1) BSMI CNS 15598-1
Taiwan RoHS	CNS 15663

快速入門指南

10G超高速網路交換機

ECS5520-18X | ECS5520-18T

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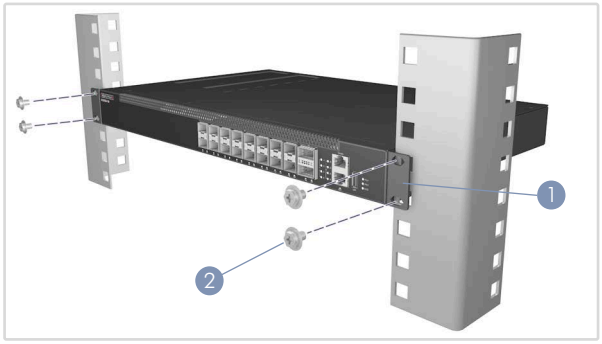
包裝內容物

1. ECS5520-18X 或 ECS5520-18T (搭配一顆 AC 電源)
2. 機櫃安裝套件 - 包含兩個托架及八個螺絲
3. 4 個自黏腳墊
4. 電源線
5. 主控台纜線 —RJ-45 到 DB-9
6. 文件 — 快速入門指南 （本文件）和安全與法規資訊

警告：此設備不適用於兒童可能出現的區域。

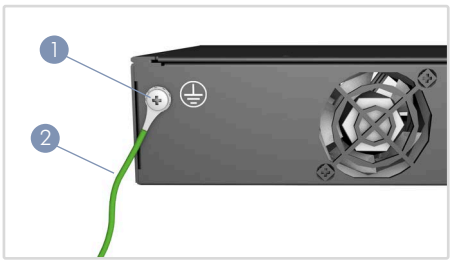
1 安裝交換器



1. 將擴充托架安裝於交換器上。
2. 使用隨機櫃提供的螺絲和固定螺母，將交換器固定在機櫃上。

注意：也可以使用附帶的自黏腳墊安裝在桌面或架上。

2 連接接地線



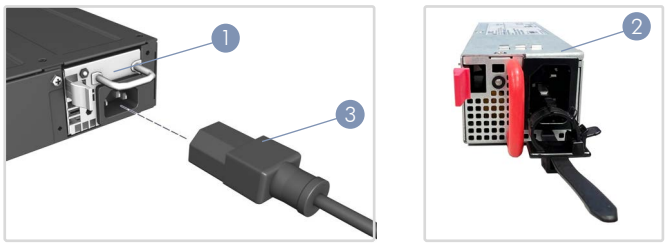
1. 請確保對機架正確實施接地，並確保符合 ETSI ETS 300 253。請確認機架上的接地點的電氣導通狀態良好 （確保沒有油漆或絕緣表面處理）。
2. 將 18 號 AWG 接地線連接至交換器背面面板上的接地點上。然後將接地線的另一端連接至機架的接地。

警告：接地線在電源尚未切斷前請勿移除。

警告：設備必須安裝在受限訪問位置。機箱上應有一個單獨的保護接地端子，必須永久連接到地面，以充分地接地底盤，並保護操作人員免受電氣危害。

3 連接電源

a. 連接 AC 電源

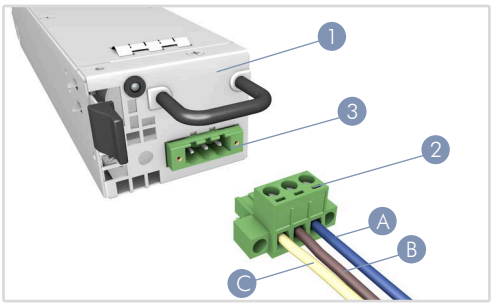


1. PSU Vendor: Great Wall model GW-T150WV12
2. PSU Vendor: UMEC model UPD1501SA
3. 在交換器上安裝 1 個或 2 個通用 AC 電源模組。將外部 AC 電源連接至模組。

注意：請使用適合當地電源規格且經檢驗合格的電源線，以符合各國的安全規範。

注意：不同廠商的 AC 電源不能同時安裝。

b. (選配) 連接 DC 電源



1. 在交換器上安裝 1 個或 2 個 DC 電源模組。
2. 將直流電源線連接到電源線連接器如下：
   - A – 藍線：DC 回流
   - B – 棕線：-36 – -72 VDC
   - C – 黃線：Chassis Ground
3. 將 DC 電源連接器插入 DC PSU 電源輸入插座。

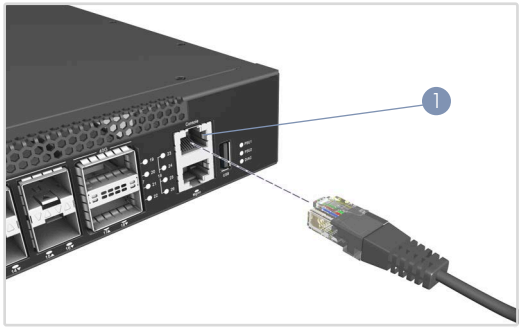
警告：在 DC Converter 的前端必須使用 UL/IEC/EN 60950-1 及 / 或 62368-1 認證的電源供應器連接 DC PSU 。使用 #18 AWG 線連接至 DC 電源模組。

4 確認交換器操作

1. 透過檢查系統 LED，確認交換器的基本運轉情況。如運轉正常，PSU1/PSU2 和 DIAG 會亮起綠燈。

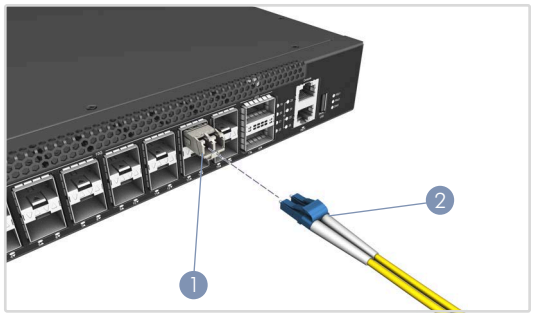
5 執行初次系統啟動

1. 建議在連接網路前使用主控台纜線執行初始設定。
2. 設定序列埠的如下：115200 bps、8 個字元、無同位檢查、1 個停止位元、8 個資料位元且無流量控制。
3. 使用預設設定 (使用者為 「admin」，密碼「admin」) 登入命令列介面 (CLI)。



4. 有關更多初始化設定，請參考 CLI 指南。

6 連接網路線



1. 對於 SFP/SFP+/QSFP+ 埠，先安裝 SFP/SFP+/QSFP+ 收發器，再將光纖線連接至收發器連接埠，支持下列收發器：
   - 1000BASE-SX (ET4201-SX)
   - 1000BASE-LX (ET4201-LX)
   - 10GBASE-SR (ET5402-SR)
   - 10GBASE-LR (ET5402-LR)
   - 40GBASE-SR4 (ET6401-SR4)
   - 40GBASE-LR4 (ET6401-LR4)
2. 完成連接後，檢查連接埠狀態 LED，確保連結有效。
   - 開機 / 閃爍綠燈 — 有效連接。燈號閃爍表示網路正在運作中。

硬體規格

交換器機殼規格

尺寸 (WxDxH)	ECS5520-18X: 43.8 x 28.0 x 4.3 cm (17.26 x 11.02 x 1.71 in.) ECS5520-18T: 44.0 x 28.0 x 4.4 cm (17.32 x 11.02 x 1.73 in.)
重量	ECS5520-18X: 3.9 kg (8.6 lb) 含 1 個電源模組 ECS5520-18T: 4.1 kg (9.04 lb) 含 1 個電源模組
溫度	操作：0° C to 50° C (32° F to 122° F), ECS5520-18T 0° C to 55° C (32° F to 131° F) 儲存：-40° C to 70° C (-40° F to 158° F)
濕度	操作：5% to 95% (無冷凝)

AC PSU 電源規格 (Great Wall model GW-T150WV12)

AC 輸入電源	100–240 VAC 50–60 Hz, 3–1.5 A
PSU Power Rating	150 W x 2 AC PSU

AC PSU 電源規格 (UMEC model UPD1501SA)

AC 輸入電源	100–240 VAC 50–60 Hz, 4–2 A
PSU Power Rating	150 W x 2 AC PSU

DC PSU 電源規格

DC 輸入電源	-36– -72 VDC, 6–3 A
PSU Power Rating	150 W x 2 DC PSU

管制符合性

輻射	EN 55032 EN 61000-3-2, Class A EN 61000-3-3 FCC, Class A VCCI, Class A AS/NZS CISPR 32 ICES-003 Issue 7 Class A CNS 15936
抗擾性	EN55035
安全	UL (CSA 22.2 No 62368-1 & UL 62368-1) CB (IEC/EN 62368-1) BSMI CNS 15598-1
Taiwan RoHS	CNS 15663