

# UC-4400A 系列

具備 LTE/5G 和 Wi-Fi 6E 功能的 Arm Cortex-A53 四核心 64 位元電腦



## 特色與優點

- Arm Cortex-A53 四核心 1.6 GHz 處理器
- 具有 SIM 卡和 AT&T 認證的整合式 5G Sub-6GHz NR 模組
- 2 個自動感應 10/100/1000 Mbps 乙太網路連接埠
- 內建 2 kV 隔離保護的 CAN 匯流排和串列埠
- Moxa 工業 Linux，提供 10 年超長期間支援
- 具有 microSD 插槽，可擴充儲存空間
- 提供選購配件的 Wi-Fi 6E 和 4G LTE Cat.4 支援
- 準備進行 ISA/IEC 62443-4-2 SL2 認證
- CE/FCC/UL 認證
- -40 至 75°C 工作溫度範圍 (行動通訊網路模組啟用時為 -40 至 70°C)

## 認證



## 簡介

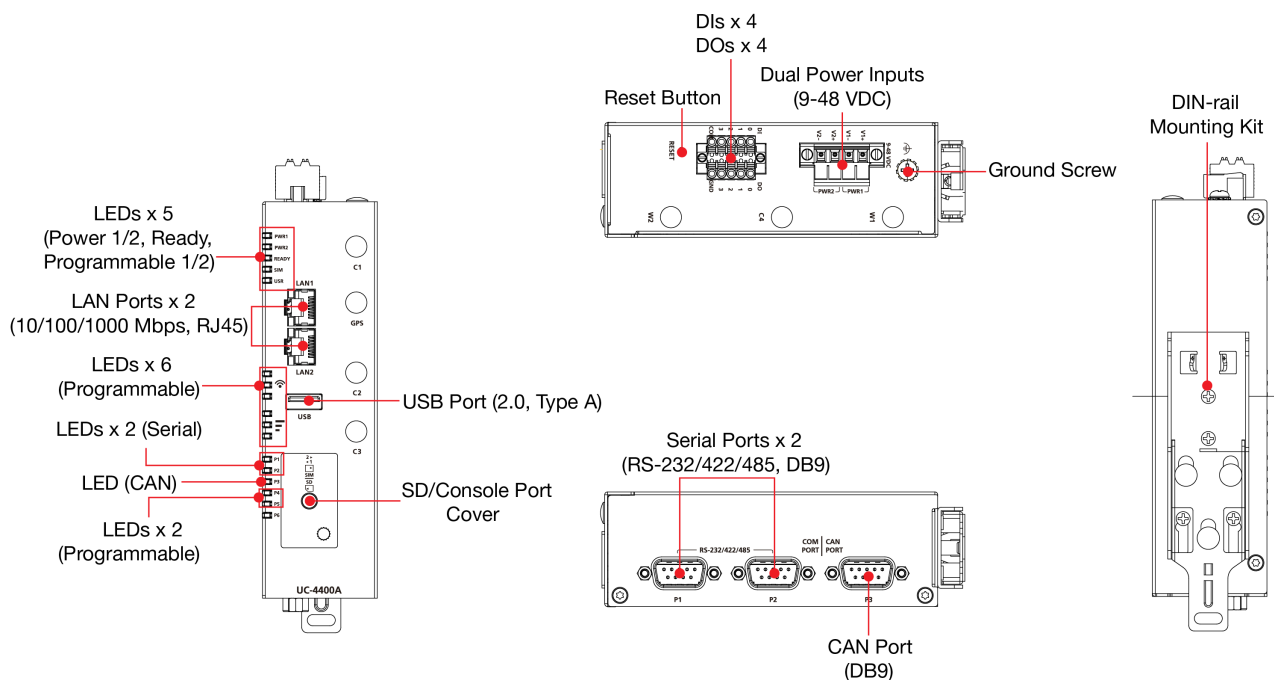
UC-4400A 運算平台是專為嵌入式資料擷取應用所設計。電腦配備多達四個 RS-232/422/485 串列埠、雙 10/100/1000 Mbps 乙太網路連接埠、多達 2 個 CAN 連接埠以及 Mini PCIe 和 M.2 E 插槽以支援 LTE Cat.4 和 Wi-Fi 6E 模組。這些多元功能讓使用者能有效地調整 UC-4400A 以適應各種複雜通訊解決方案。

UC-4400A 採用的是專為能源監視系統進行最佳化的 Arm Cortex-A53 四核心處理器，該處理器也可以被廣泛地用於各種工業解決方案。這款輕薄的嵌入式電腦是可靠且安全的閘道，具備彈性的介面選項，可協助您在現場進行資料擷取和資料處理，同時也是適用於許多其他大規模部署的實用通訊平台。支援行動通訊網路的寬溫度型號可用於延伸的溫度應用。所有裝置全都在試驗室中經過完整測試，保證支援行動通訊網路的運算平台適用於寬溫應用。

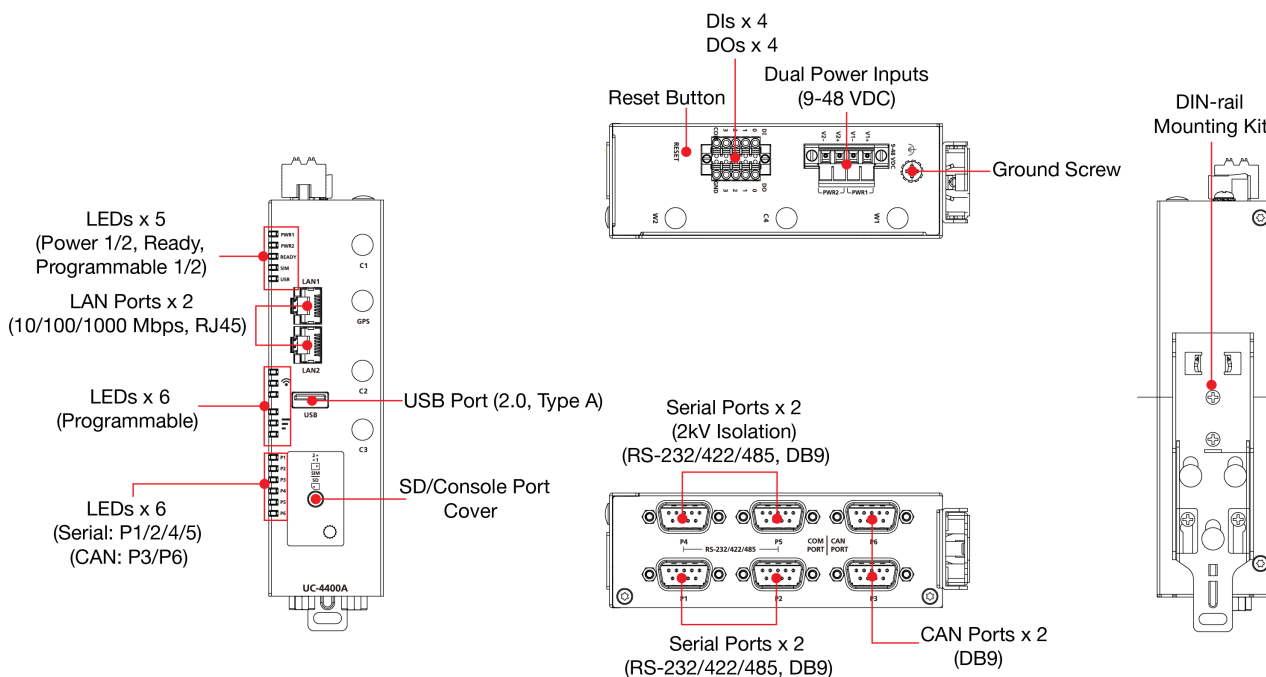
## 應用

- 太陽能/風能
- 電池儲能
- 電動車充電基礎設施
- 設施監控
- 機器監控
- 石油和天然氣
- 水和廢水處理
- 智慧交通系統
- 各種 IIoT 閘道應用

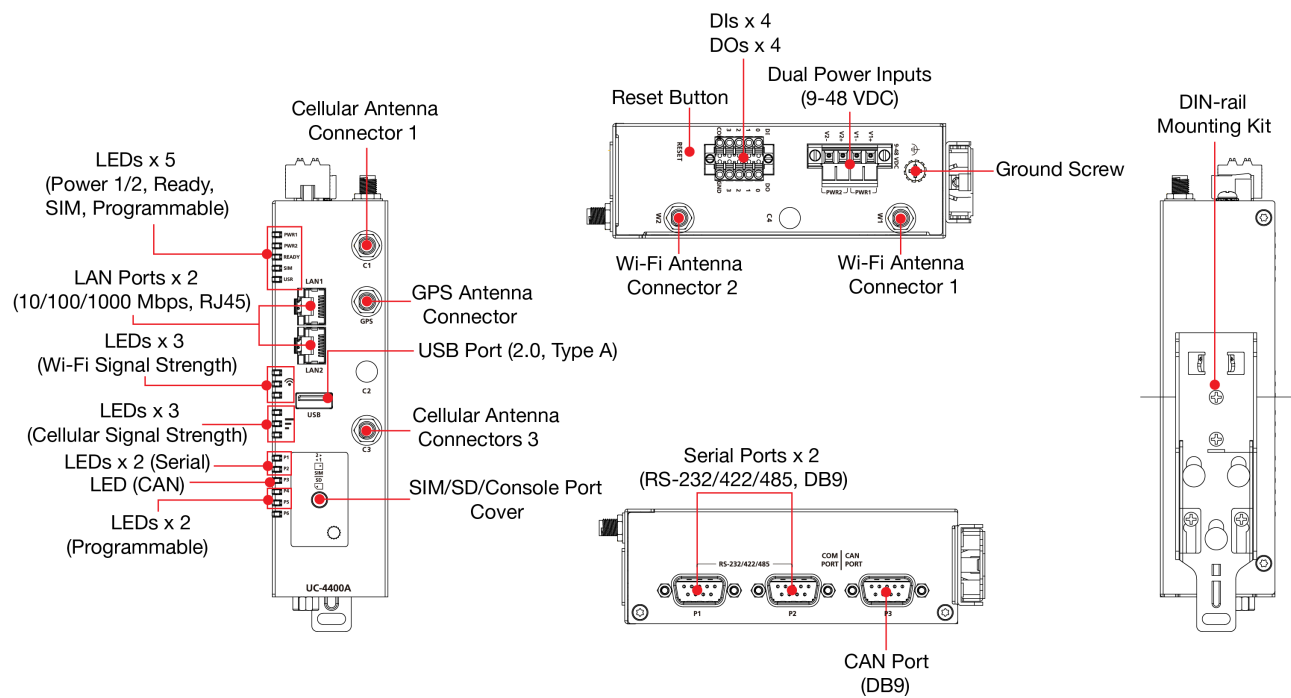
UC-4410A 型號



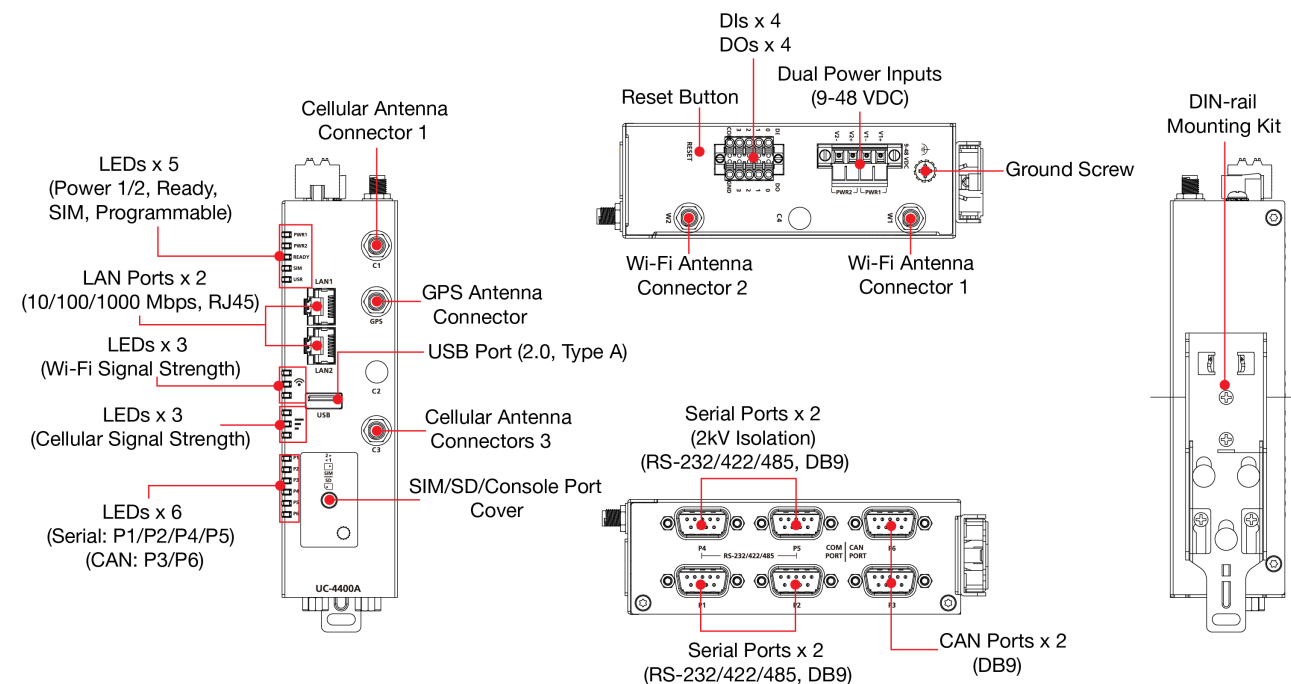
UC-4414A 型號



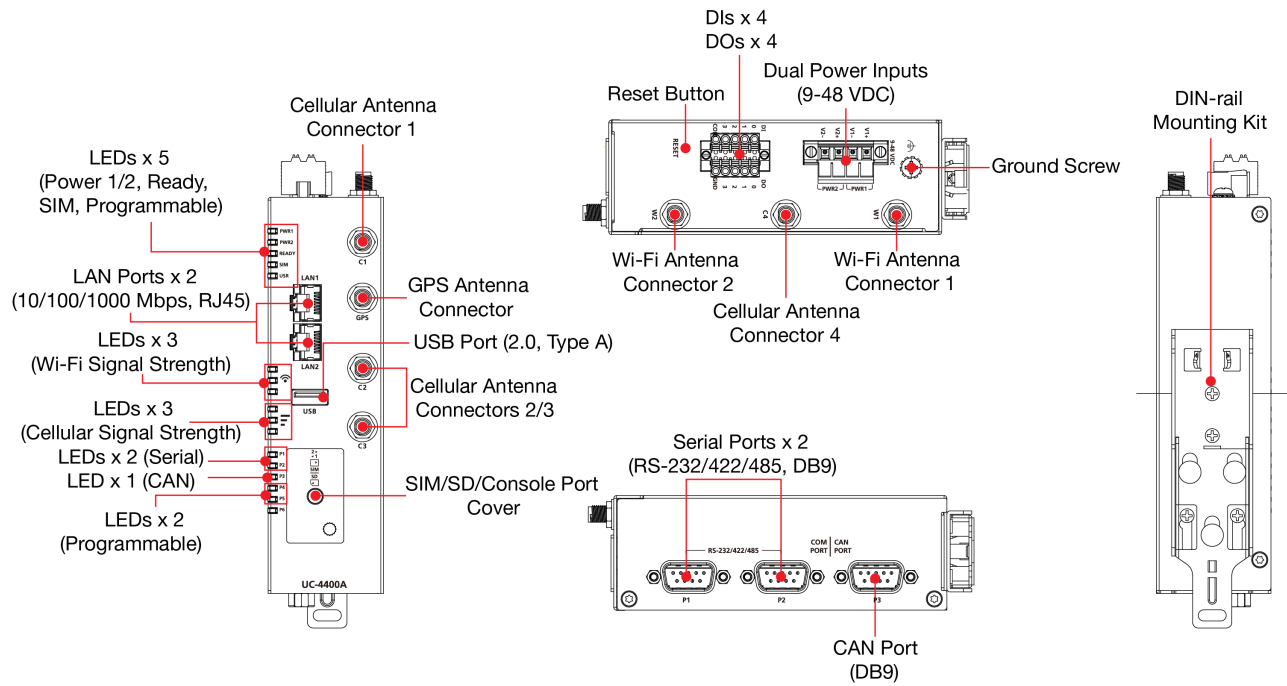
UC-4430A 型號



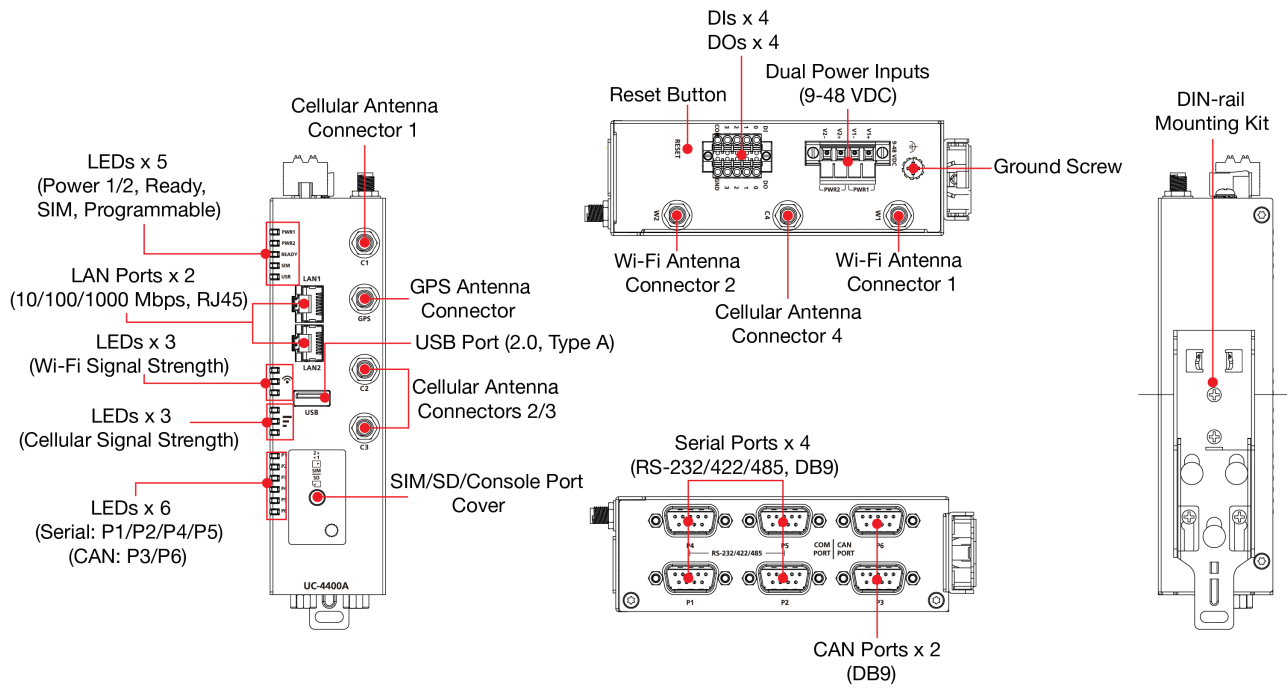
UC-4434A 型號



UC-4450A 型號



UC-4454A 型號



規格

|              |                                                            |
|--------------|------------------------------------------------------------|
| Computer     |                                                            |
| CPU          | Arm Cortex-A53 quad-core 1.6 GHz                           |
| DRAM         | 4 GB LPDDR4                                                |
| Supported OS | Moxa Industrial Linux 3 (Debian 11, kernel 5.10), 2031 EOL |

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
|                       | See <a href="http://www.moxa.com/MIL">www.moxa.com/MIL</a> |
| Storage Pre-installed | 16 GB eMMC                                                 |
| Expansion Slots       | microSD socket x 1                                         |

## Computer Interface

|                            |                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet Ports             | Auto-sensing 10/100 Mbps ports (RJ45 connector) x 2                                                                                                                                                            |
| Serial Ports               | UC-4414/UC-4434/UC-4454 models:<br>RS-232/422/485 ports x 4 (software-selectable, DB9 male connector)<br>UC-4410/UC-4430/UC-4450 models:<br>RS-232/422/485 ports x 2 (software-selectable, DB9 male connector) |
| CAN Ports                  | UC-4414/UC-4434/UC-4454 models: CAN 2.0 A/B x 2 (DB9 male)<br>UC-4410/UC-4430/UC-4450 models: CAN 2.0 A/B x 1 (DB9 male)                                                                                       |
| Digital Input              | DIs x 4                                                                                                                                                                                                        |
| Digital Output             | DOs x 4                                                                                                                                                                                                        |
| USB 2.0                    | USB 2.0 hosts x 1, type-A connectors                                                                                                                                                                           |
| Wi-Fi Antenna Connector    | UC-4430/ UC-4434/UC-4450/UC-4454 models:<br>RP-SMA x 2                                                                                                                                                         |
| Cellular Antenna Connector | UC-4450/UC-4454 models: SMA x 4<br>UC-4430/ UC-4434 models: SMA x 2                                                                                                                                            |
| GPS Antenna Connector      | UC-4430/ UC-4434/UC-4450/UC-4454 models:<br>SMA x 1                                                                                                                                                            |
| Console Port               | RS-232 (TxD, RxD, GND), 3-pin header output (115200, n, 8, 1)                                                                                                                                                  |
| Expansion Slots            | UC-4430/ UC-4434/UC-4450/UC-4454 models:<br>M.2 E-key slot x 1 (for Wi-Fi)<br>UC-4430/ UC-4434 models:<br>mPCIe slot x 1 (for LTE)                                                                             |
| SIM Format                 | UC-4430/ UC-4434/UC-4450/UC-4454 models: Nano                                                                                                                                                                  |
| Number of SIMs             | UC-4430/ UC-4434/UC-4450/UC-4454 models: 2                                                                                                                                                                     |
| Buttons                    | Programmable button                                                                                                                                                                                            |
| TPM                        | TPM v2.0                                                                                                                                                                                                       |

## Ethernet Interface

|                               |                   |
|-------------------------------|-------------------|
| Magnetic Isolation Protection | 1.5 kV (built-in) |
|-------------------------------|-------------------|

## Serial Interface

|              |                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------|
| No. of Ports | UC-4414/UC-4434/UC-4454 models: 4<br>UC-4410/UC-4430/UC-4450 models: 2                              |
| Baudrate     | 50 bps to 921.60 kbps                                                                               |
| Data Bits    | 5, 6, 7, 8                                                                                          |
| Stop Bits    | 1, 1.5, 2                                                                                           |
| Parity       | None, Even, Odd, Space, Mark                                                                        |
| Flow Control | RTS/CTS, XON/XOFF<br>ADDC (automatic data direction control) for RS-485<br>RTS Toggle (RS-232 only) |

|              |                                             |
|--------------|---------------------------------------------|
| Isolation    | UC-4414/4434 models: 2 kV (P4 and P5 ports) |
| Console Port | 1 x 3-pin header to DB9 console port        |

### Serial Signals

|           |                                        |
|-----------|----------------------------------------|
| RS-232    | TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND |
| RS-422    | Tx+, Tx-, Rx+, Rx-, GND                |
| RS-485-2w | Data+, Data-, GND                      |
| RS-485-4w | Tx+, Tx-, Rx+, Rx-, GND                |

### CAN Interface

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| No. of Ports         | UC-4414/UC-4434/UC-4454 models: 2<br>UC-4410/UC-4430/UC-4450 models: 1 |
| Baudrate             | 10 to 1000 kbps                                                        |
| Connector            | DB9 male                                                               |
| Industrial Protocols | CAN 2.0A<br>CAN 2.0B                                                   |
| Isolation            | 2 kV (built-in)                                                        |
| Signals              | CAN_H, CAN_L, CAN_GND, CAN_SHLD, CAN_V+, GND                           |

### Digital Inputs

|                         |                                              |
|-------------------------|----------------------------------------------|
| Digital Input Channels  | DIs x 4                                      |
| Connector               | Screw-fastened Euroblock terminal            |
| Sensor Type             | Wet contact (NPN)<br>Dry contact             |
| Dry Contact             | Logic 1: Open<br>Logic 0: Close to GND       |
| Wet Contact (COM to DI) | Logic 1: 0 to 3 VDC<br>Logic 0: 10 to 30 VDC |
| Isolation               | 3K VDC                                       |

### Digital Outputs

|                         |                                   |
|-------------------------|-----------------------------------|
| Digital Output Channels | DOs x 4                           |
| Connector               | Screw-fastened Euroblock terminal |
| Current Rating          | 200 mA per channel                |
| I/O Type                | Sink                              |
| Voltage                 | 0 to 30 VDC                       |

### Cellular Interface

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Cellular Standards | 5G NR Release 16                                                                                                                                 |
| 5G NR Bands        | 5G NSA and SA bands:<br>n1 (FDD 2100) MHz<br>n2 (FDD 1900) MHz<br>n3 (FDD 1800) MHz<br>n5 (FDD 850) MHz<br>n7 (FDD 2600) MHz<br>n8 (FDD 900) MHz |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | n20 (FDD 800) MHz<br>n25 (FDD 1900) MHz<br>n28 (FDD 700) MHz<br>n29 (SDL 700) MHz<br>n40 (TDD 2300) MHz<br>n41 (TDD 2500) MHz<br>n48 (TDD 3600) MHz<br>n66 (FDD 1700 / AWS-3) MHz<br>n71 (FDD 600) MHz<br>n75 (SDL 1500) MHz<br>n77 (TDD 3700) MHz<br>n78 (TDD 3500) MHz<br>n79 (TDD 4500) MHz                                                                                                                                                                                                                                                                                                                                                                                                            |
| LTE Bands | B1 (FDD 2100) MHz<br>B2 (FDD 1900) MHz<br>B3 (FDD 1800) MHz<br>B4 (FDD 1700 / AWS) MHz<br>B5 (FDD 850) MHz<br>B7 (FDD 2600) MHz<br>B8 (FDD 900) MHz<br>B12 (FDD 700ac) MHz<br>B13 (FDD 700c) MHz<br>B14 (FDD 700PS) MHz<br>B17 (FDD 700bc) MHz<br>B18 (FDD 800) MHz<br>B19 (FDD 800) MHz<br>B20 (FDD 800DD) MHz<br>B25 (FDD 1900) MHz<br>B26 (FDD 850) MHz<br>B28 (FDD 700) MHz<br>B29 (SDL 700) MHz<br>B30 (FDD 2300) MHz<br>B32 (SDL 1500) MHz<br>B34 (TDD 2000) MHz<br>B38 (TDD 2600) MHz<br>B39 (TDD 1900) MHz<br>B40 (TDD 2300) MHz<br>B41 (TDD 2500) MHz<br>B42 (TDD 3500) MHz<br>B43 (TDD 3600) MHz<br>B46 (TDD 5200) MHz<br>B48 (TDD 3600) MHz<br>B66 (FDD 1700 / AWS-3) MHz<br>B71 (FDD 600) MHz |
| UMT Bands | B1 (2100) MHz<br>B2 (1900) MHz<br>B3 (1800) MHz<br>B4 (AWS)<br>B5 (850) MHz<br>B6 (800) MHz<br>B8 (900) MHz<br>B19 (800) MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## GPS Interface

|                          |                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range          | Wide-band GNSS: 1559 to 1606 MHz (recommended)<br>GPS: BW NB GPS 2.046 MHz (centered at 1575.42 MHz)<br>GLONASS: BW 8.3 MHz approx. (1597.05 to 1606 MHz)<br>BeiDou: 4.092 MHz BW (1559.05 to 1563.14 MHz)<br>Galileo: 4.092 MHz BW (centered at 1575.42 MHz) |
| Antenna Types Supported  | Active antenna (default)<br>Passive antenna                                                                                                                                                                                                                   |
| Time to First Fix (TTFF) | Hot start: 1 s<br>Warm start: 27 s<br>Cold start: 28 s                                                                                                                                                                                                        |

|             |                                                                      |
|-------------|----------------------------------------------------------------------|
| Sensitivity | Cold starts: -146 dBm<br>Tracking: -161 dBm<br>Acquisition: -148 dBm |
| Update Rate | Minimum 1 Hz                                                         |

#### WLAN Interface

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| WLAN Standards | 802.11a/b/g/n/ac/ax (requires purchase of optional Wi-Fi accessory) |
| Frequency Band | 2.4 GHz / 6 GHz<br>2.4 GHz / 5 GHz                                  |

#### Security Functions

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| Hardware-based Security | TPM 2.0<br>Hardware Root of Trust Secure Boot                                                  |
| Intrusion Detection     | Host-based Intrusion Detection                                                                 |
| Security Tools          | Security Diagnostic Tool<br>Security Event Auditing<br>Secure Update                           |
| Disk Protection         | LUKS Disk Encryption                                                                           |
| Recovery                | One-step recovery to the last known secure state<br>Dual-system design with automatic fallback |
| Reliability             | Network Keep Alive<br>Network Failover and Failback                                            |

#### LED Indicators

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| System                   | Power x 2<br>READY (device bootup) x 1<br>SIM card indicator x 1                                                                             |
| LAN                      | 2 ports, 1 per port (10/100/1000 Mbps)                                                                                                       |
| Serial                   | UC-4414/UC-4434/UC-4454 models:<br>1 LED per port for 4 serial ports<br>UC-4410/UC-4430/UC-4450 models:<br>1 LED per port for 2 serial ports |
| CAN                      | UC-4414/UC-4434/UC-4454 models:<br>1 LED per port for 2 CAN ports<br>UC-4410/UC-4430/UC-4450 models:<br>1 LED per port for 1 CAN port        |
| Wireless Signal Strength | Cellular x 3<br>Wi-Fi x 3                                                                                                                    |
| User Programmable        | 1                                                                                                                                            |

#### Power Parameters

|                     |                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. of Power Inputs | Redundant dual inputs                                                                                                                                                                                |
| Input Voltage       | 9 to 48 VDC                                                                                                                                                                                          |
| Input Current       | UC-4410/UC-4414 models: 1.53 A @ 9 VDC, 0.21 A @ 48 VDC<br>UC-4430/ UC-4434 models: 2.10 A @ 9 VDC, 0.27 A @ 48 VDC (with LTE accessory)<br>UC-4450/ UC-4454 models: 2.13 A @ 9 VDC, 0.30 A @ 48 VDC |
| Power Consumption   | UC-4410/UC-4414 models: 10 W @ 95% CPU loading<br>UC-4430/UC-4434 models: 13 W (with LTE) @ 95% CPU loading<br>UC-4450/UC-4454 models: 14.4 W @ 95% CPU loading                                      |

|                                        |                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Connector                        | Screw-fastened Euroblock terminal                                                                                                                                                                                                                                                                |
| Reverse Polarity Protection            | Supported                                                                                                                                                                                                                                                                                        |
| <b>Reliability</b>                     |                                                                                                                                                                                                                                                                                                  |
| Automatic Reboot Trigger               | External RTC (real-time clock)                                                                                                                                                                                                                                                                   |
| Alert Tools                            | External WDT (watchdog timer)                                                                                                                                                                                                                                                                    |
| <b>Physical Characteristics</b>        |                                                                                                                                                                                                                                                                                                  |
| Housing                                | Metal<br>SECC                                                                                                                                                                                                                                                                                    |
| IP Rating                              | IP30                                                                                                                                                                                                                                                                                             |
| Dimensions                             | 141.5 x 120 x 41 mm (5.57 x 4.72 x 1.62 in)                                                                                                                                                                                                                                                      |
| Weight                                 | 750 g (1.7 lb)                                                                                                                                                                                                                                                                                   |
| Installation                           | DIN-rail mounting<br>Wall mounting (with optional kit)                                                                                                                                                                                                                                           |
| <b>Environmental Limits</b>            |                                                                                                                                                                                                                                                                                                  |
| Operating Temperature                  | With Wi-Fi: -30 to 70°C (-22 to 158°F)<br>With Cellular: -40 to 70°C (-40 to 158°F)<br>Non-wireless Operation:<br>-40 to 75°C (-40 to 167°F)                                                                                                                                                     |
| Storage Temperature (package included) | -40 to 85°C (-40 to 185°F)                                                                                                                                                                                                                                                                       |
| Ambient Relative Humidity              | 5 to 95% (non-condensing)                                                                                                                                                                                                                                                                        |
| <b>Standards and Certifications</b>    |                                                                                                                                                                                                                                                                                                  |
| EMC                                    | EN 55032/35<br>EN 61000-6-2/-6-4                                                                                                                                                                                                                                                                 |
| EMI                                    | CISPR 32, FCC Part 15B Class A                                                                                                                                                                                                                                                                   |
| EMS                                    | IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV<br>IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m<br>IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV<br>IEC 61000-4-5 Surge: Power: line-to-line 2 kV, Signal: line-to-ground 4 kV<br>IEC 61000-4-6 CS: 150 kHz to 80 MHz; Signal: 10 V<br>IEC 61000-4-8 PFMF |
| Cellular Standards                     | EN 301 908-1 (WCDMA/LTE)<br>EN 301 489-1/-19 (GPS)<br>EN 301 489-1/-52 (WCDMA/LTE)<br>EN 303 413 (GPS)                                                                                                                                                                                           |
| WLAN Standards                         | EN 303 687 (6 GHz)<br>EN 301 893 (5 GHz)<br>EN 301 489-1-17<br>EN 300 328 (2.4 GHz)                                                                                                                                                                                                              |
| Radio Frequency                        | FCC<br>RCM<br>CE (RED)<br>ICID<br>UKCA<br>EN 62311                                                                                                                                                                                                                                               |
| International Approval                 | FCC<br>CE<br>ICID<br>UKCA<br>RCM                                                                                                                                                                                                                                                                 |

|               |                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------|
|               | KC<br>BSMI<br>NCC<br>(Q1, 2025)                                                                   |
| Safety        | IEC 62368-1<br>UL 62368-1                                                                         |
| Shock         | IEC 60068-2-27                                                                                    |
| Vibration     | IEC 60068-2-64<br>2 grms @ 5 to 500 Hz, random wave, 1 hr per axis (without USB devices attached) |
| Green Product | RoHS, CRoHS, WEEE                                                                                 |

#### MTBF

|           |                                                                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time      | UC-4410A-T: 1,311,070 hrs<br>UC-4414A-I-T: 1,097,567 hrs<br>UC-4430A-T: 1,161,321 hrs<br>UC-4434A-I-T: 813,255 hrs<br>UC-4450A-T-5G: 982,234 hrs<br>UC-4454A-T-5G: 892,697 hrs |
| Standards | Telcordia (Bellcore) Standard TR/SR                                                                                                                                            |

#### Warranty

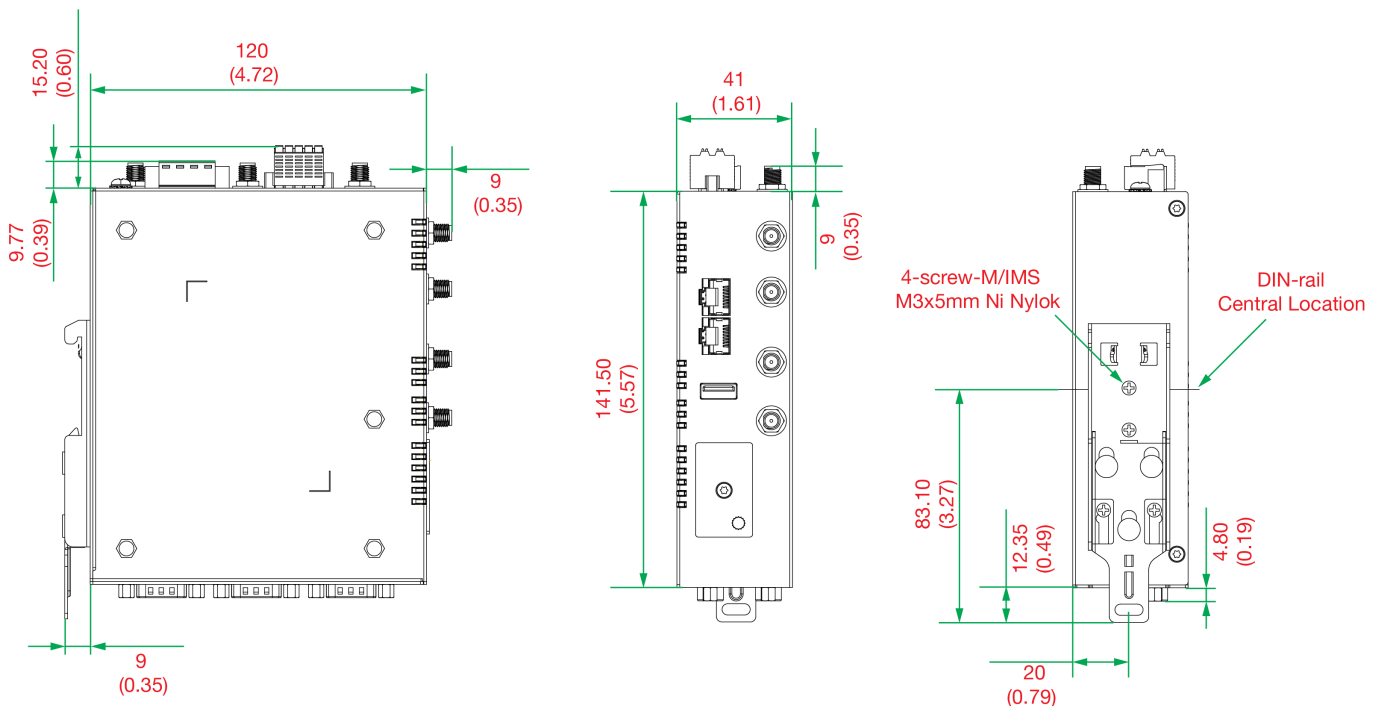
|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Warranty Period | 5 years                                                                    |
| Details         | See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a> |

#### Package Contents

|               |                                                   |
|---------------|---------------------------------------------------|
| Device        | 1 x UC-4400A Series computer                      |
| Documentation | 1 x quick installation guide<br>1 x warranty card |

## 尺寸

單位：公釐（英吋）



## 訂購資訊

| Model Name    | Operating System                                                   | CPU                                 | Serial Ports                       | CAN Ports | M.2 E-key Slot        | M.2 B-key Slot        | mPCIe            | Operating Temperature |
|---------------|--------------------------------------------------------------------|-------------------------------------|------------------------------------|-----------|-----------------------|-----------------------|------------------|-----------------------|
| UC-4410A-T    | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 2                                  | 1         | -                     | -                     | -                | -40 to 75°C           |
| UC-4414A-I-T  | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 4                                  | 2         | -                     | -                     | -                | -40 to 75°C           |
| UC-4430A-T    | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 2                                  | 1         | Reserved for Wi-Fi 6E | -                     | Reserved for LTE | -40 to 70°C           |
| UC-4434A-I-T  | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 4<br>(2 with isolation protection) | 2         | Reserved for Wi-Fi 6E | -                     | Reserved for LTE | -40 to 70°C           |
| UC-4450A-T-5G | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 2                                  | 1         | Reserved for Wi-Fi 6E | 5G Sub-6GHz NR module | -                | -40 to 70°C           |
| UC-4454A-T-5G | Default: MIL3 Standard<br>Order MIL3 Secure through UC-4400A (CTO) | Arm Cortex-A53 quad-core<br>1.6 GHz | 4<br>(2 with isolation protection) | 2         | Reserved for Wi-Fi 6E | 5G Sub-6GHz NR module | -                | -40 to 70°C           |

## 配件（選購）

### Power Adapters

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| PWR-12150-CN-SA-T | Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, CN plug, -40 to 75°C operating temperature |
| PWR-12150-EU-SA-T | Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, EU plug, -40 to 75°C operating temperature |
| PWR-12150-UK-SA-T | Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, UK plug, -40 to 75°C operating temperature |

|                     |                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------|
| PWR-12150-AU-SA-T   | Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, AU plug, -40 to 75°C operating temperature   |
| PWR-12150-USJP-SA-T | Locking barrel plug, 12 VDC 1.5 A, 100 to 240 VAC, US/JP plug, -40 to 75°C operating temperature |

#### Cables

|                     |                                         |
|---------------------|-----------------------------------------|
| CBL-F9DPF1x4-BK-100 | Console cable with 4-pin connector, 1 m |
|---------------------|-----------------------------------------|

#### Wall-Mounting Kits

|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| UC-4400A Wall-mounting Kit | Wall-mounting kit with 2 plates (44.8 x 99 x 5.7 mm each) and 5 M3 x 5 mm screws for the UC-4400A Series |
|----------------------------|----------------------------------------------------------------------------------------------------------|

#### Wireless Packages

|                      |                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| UC-4400A-LTE-CAT4-WW | LTE package with a Telit LE910C4-WWxD LTE Cat. 4 mPCIe card for global coverage, 2 thermal pads, 2 heat sinks, 3 M2.5 x 5 mm screws for UC-443xA models |
| UC-4400A-WLAN22-AX   | Wi-Fi 6E package with an EMWICOM WMX7205-1 Wi-Fi 6E M.2 card, 2 thermal pads, 2 heat sinks, 2 M2.5 x 5 mm screws for UC-443xA/445xA models              |

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