

ioPAC 6500 系列 (65M) 背板模組

用於模組化可程式設計 IIN 控制器的背板模組



特色與優點

- 免工具硬體安裝和熱插拔設計可最大限度提高操作效率
- 完全模組化設計可實現最大部署彈性
- 2 x 2 針腳矩陣 (pin grid) 可防止錯誤安裝

認證

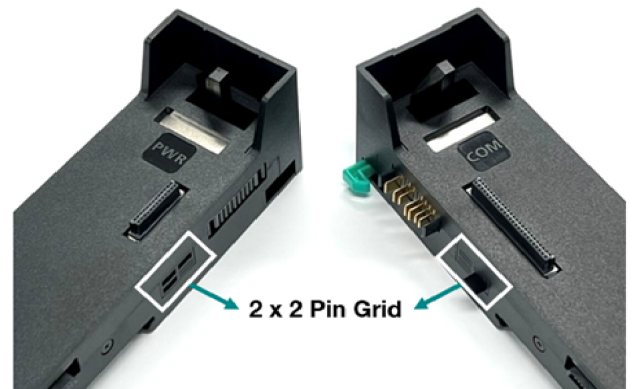


簡介

ioPAC 6500 系列 (也稱為智慧型整合節點或 IIN) 是基於 Linux 的進階 RTU，配備內建的 L2 網管交換器。ioPAC 6500 系列配備 Arm Cortex-A53 四核心 CPU，可提供強大的效能。

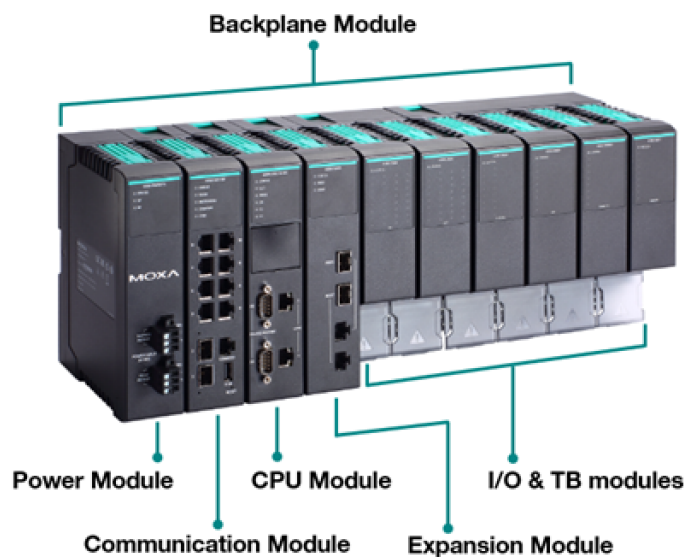
防錯設計 — 2 x 2 針格

背板模組需要依以下順序組裝：電源(PWR) > 通訊(COM) > CPU > 擴充(EXP) > I/O。2 x 2 針腳矩陣 (pin grid) 確保在安裝過程中不會出錯，並使用正確的組裝順序。



完全模組化設計

ioPAC 6500 系列採用獨特的樂高式機械設計，可實現靈活部署，同時大幅減少安裝工時。該系列可分為以下元件：背板模組、電源模組、通訊模組、擴充模組、CPU 模組、I/O 模組及端子排模組。



規格

Power Parameters

Power Consumption	65M-BMIO02: 0.093 A @ 12 VDC 65M-BMIO04: 0.117 A @ 12 VDC
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Physical Characteristics

Slots	65M-BMPW01-CT-T: 1 (for power module) 65M-BMPW02-CT-T: 2 (for power modules) 65M-BMCM01-CT-T: 1 (for communication module) 65M-BMCM02-CT-T: 2 (for communication modules) 65M-BMCP01-CT-T: 1 (for CPU module) 65M-BMCP02-CT-T: 2 (for CPU modules) 65M-BMIO02-CT-T: 2 (for IO modules) 65M-BMIO04-CT-T: 4 (for IO modules) 65M-BMEXP01-CT-T: 1 (for expansion module) 65M-BMEXP02-CT-T: 2 (for expansion module)
Housing	Plastic
Dimensions	65M-BMPW01-CT-T/BMCM01-CT-T/BMCP01-CT-T/65M-BMEXP01-CT-T: 43 x 177 x 45.5 mm (1.69 x 6.97 x 1.79 in) 65M-BMPW02-CT-T/BMCM02-CT-T/BMCP02-CT-T/BMIO02-CT-T/65M-BMEXP02-CT-T: 86 x 177 x 45.5 mm (3.39 x 6.97 x 1.79 in) 65M-BMIO04-CT-T: 172 x 177 x 45.5 mm (6.77 x 6.97 x 1.79 in)
Weight	65M-BMPW01-CT-T: 162 g (0.36 lb) 65M-BMPW02-CT-T: 320 g (0.71 lb) 65M-BMCM01-CT-T: 169 g (0.37 lb) 65M-BMCM02-CT-T: 330 g (0.73 lb) 65M-BMCP01-CT-T: 170 g (0.37 lb) 65M-BMCP02-CT-T: 325 g (0.72 lb) 65M-BMIO02-CT-T: 205 g (0.45 lb) 65M-BMIO04-CT-T: 395 g (0.87 lb) 65M-BMEXP01-CT-T: 173 g (0.38 lb) 65M-BMEXP02-CT-T: 322 g (0.71 lb)
Installation	DIN-rail mounting Rack mounting (with optional kit)

Environmental Limits

Operating Temperature	-40 to 75°C (-40 to 167°F) Note: Proper airflow is required in an environment with temperature > 65°C
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	2000 m ¹

Standards and Certifications

EMC	EN 55032/35 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 IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: (DC) 1 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: (DC) 0.5 kV L-N, 1 kV L/N-PE; Signal: 1 kV; IO: 0.5 kV IEC 61000-4-6 CS: Power: 10 V; Signal: 10 Vrms IEC 61000-4-8 PFMF: 30 A/m
Safety	UL 61010-1 UL 61010-2-201
Shock	IEC 60068-2-27 Half sine wave; acceleration: 15 g; time: 11 ms
Vibration	IEC 60068-2-6 DIN-rail mounted: 7 mm peak-peak (p-p) (2 to 8.42 Hz), 1 g (8.42 to 150 Hz) Rack mounted (with optional kit): 7 mm peak-peak (p-p) (2 to 8.42 Hz), 0.5 g (8.42 to 150 Hz)
Package Vibration Test	ISTA 1A
Package Drop Test	ISTA 1A

MTBF

Time	65M-BMPW01-CT-T: 1,130,092,735 hrs 65M-BMPW02-CT-T: 1,382,748,219 hrs 65M-BMCM01-CT-T: 1,856,744,727 hrs 65M-BMCM02-CT-T: 1,856,744,727 hrs 65M-BMCP01-CT-T: 5,032,783,357 hrs 65M-BMCP02-CT-T: 3,554,206,267 hrs 65M-BMIO02-CT-T: 6,140,939 hrs 65M-BMIO04-CT-T: 6,124,471 hrs 65M-BMEXP01-CT-T: 1,856,744,727 hrs 65M-BMEXP02-CT-T: 1,856,744,727 hrs
Standards	Telcordia Standard SR-332

Warranty

Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

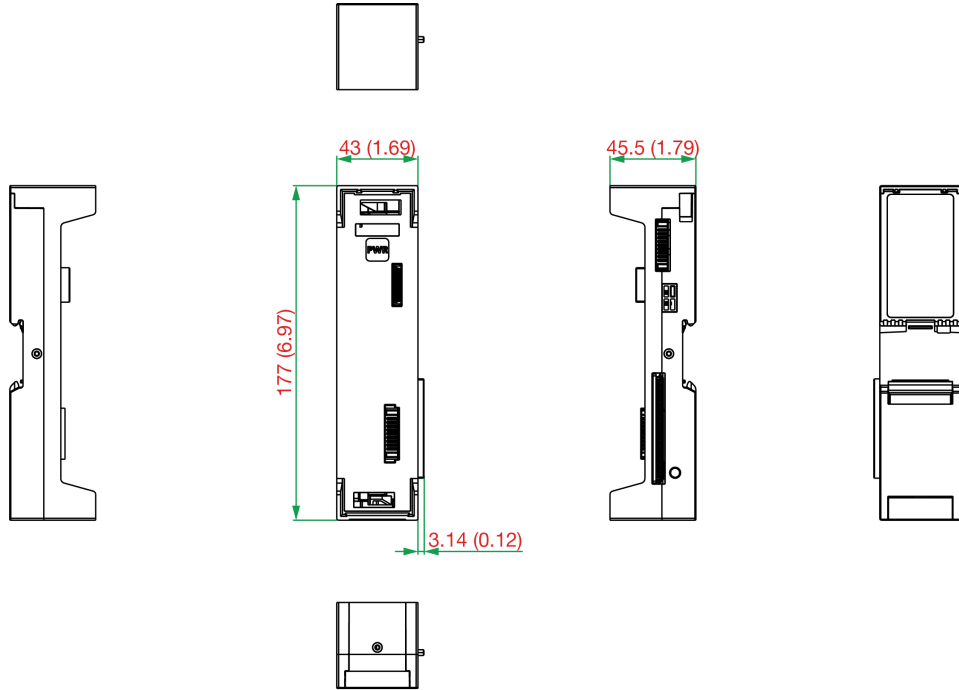
Device	1 x ioPAC 6500 Series (65M) Backplane Module
Documentation	1 x quick installation guide 1 x warranty card

1. 如果您需要產品能在高海拔地區正常運作，請與 Moxa 聯繫。

尺寸

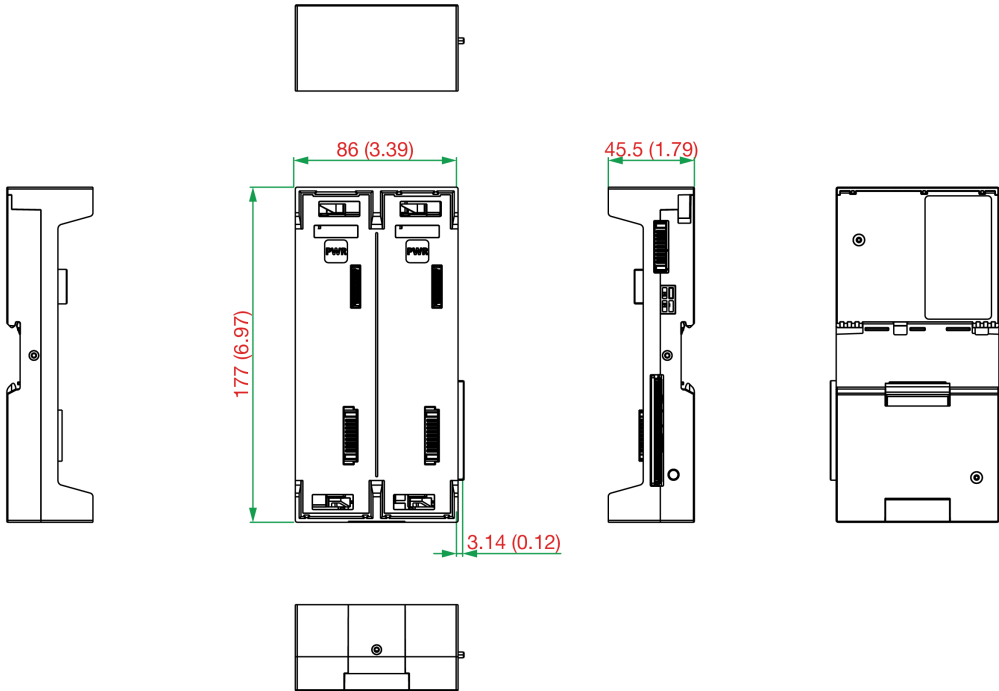
65M-BMPW01-CT-T

單位：公釐（英吋）



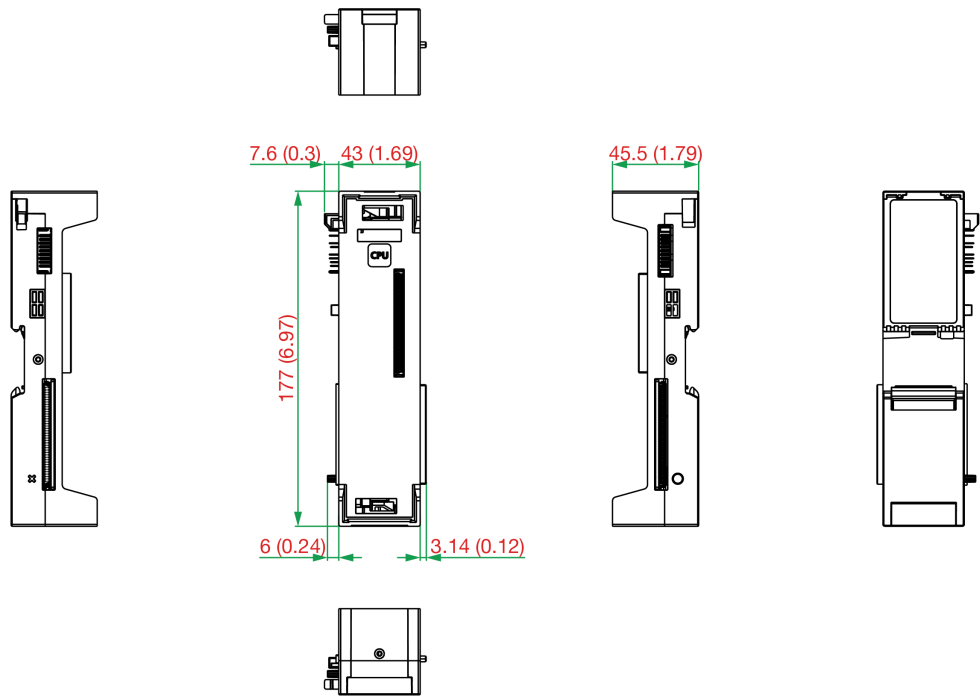
65M-BMPW02-CT-T

單位：公釐（英吋）



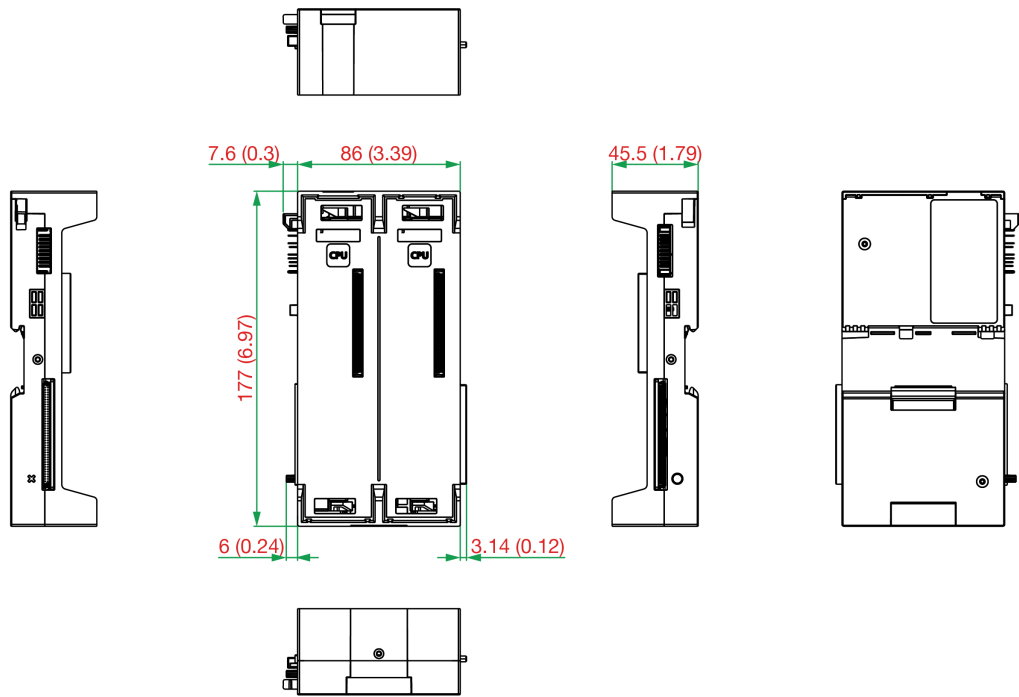
65M-BMCPU01-CT-T

單位：公釐（英吋）



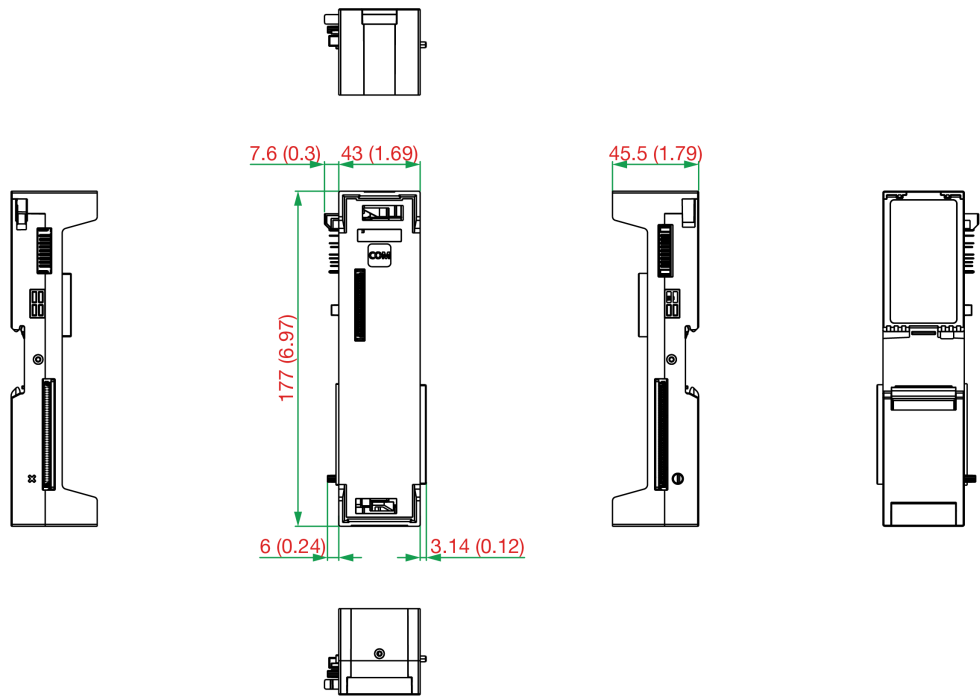
65M-BMCPU02-CT-T

單位：公釐（英吋）



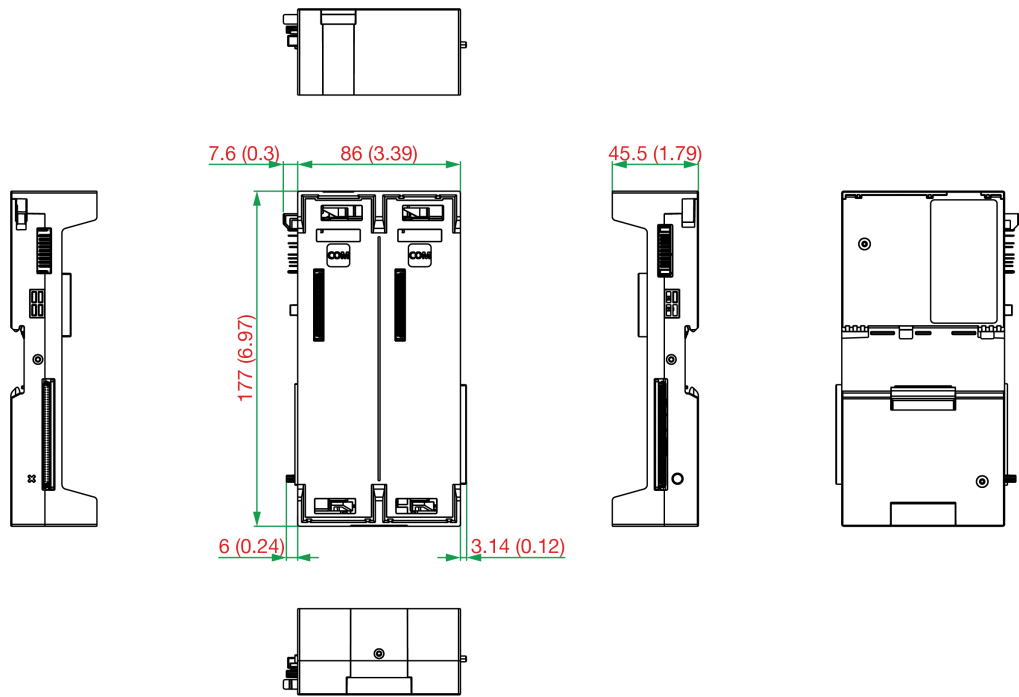
65M-BMCM01-CT-T

單位：公釐（英吋）



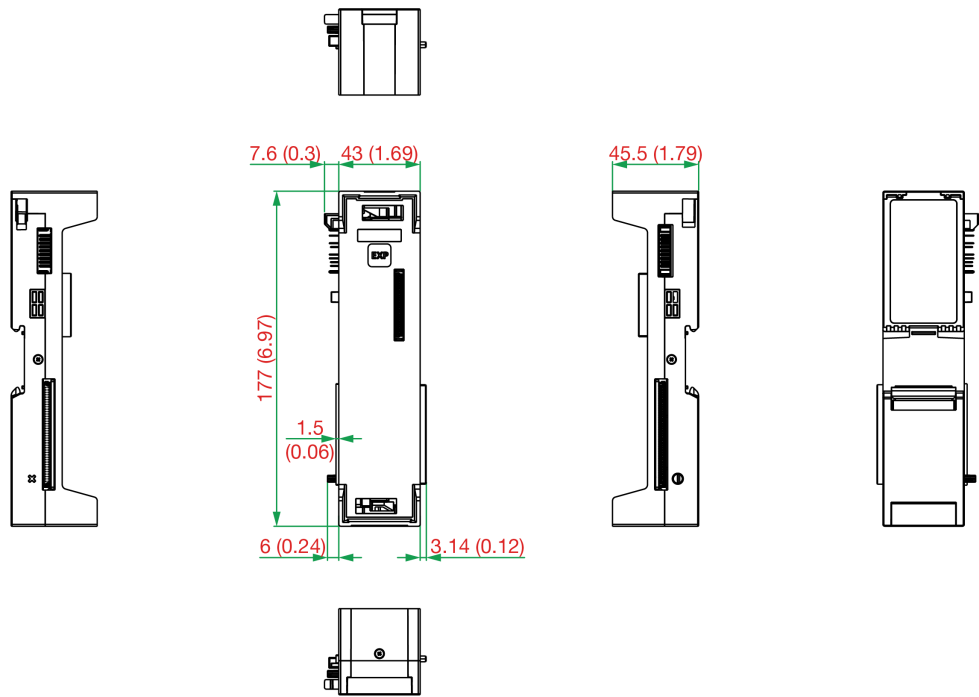
65M-BMCM02-CT-T

單位：公釐（英吋）



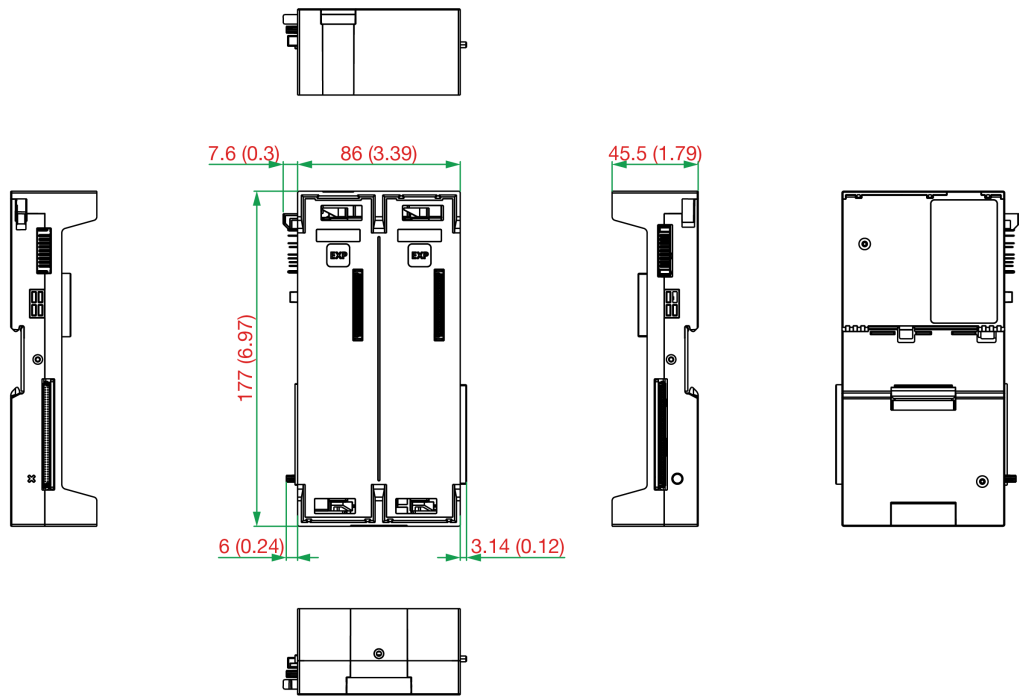
65M-BMEXP01-CT-T

單位：公釐（英吋）



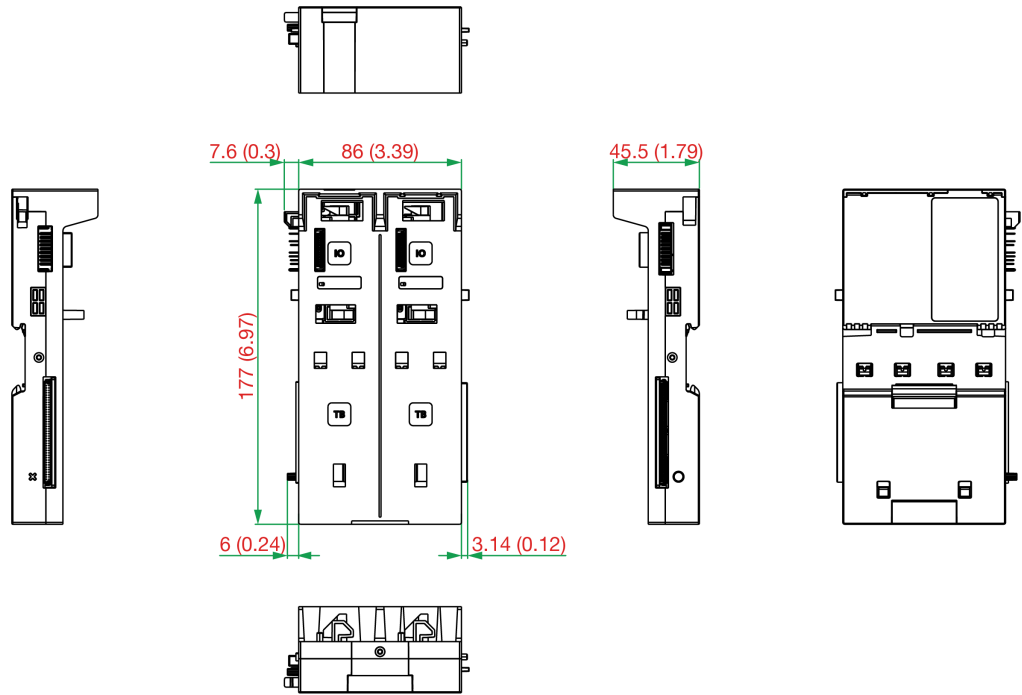
65M-BMEXP02-CT-T

單位：公釐（英吋）



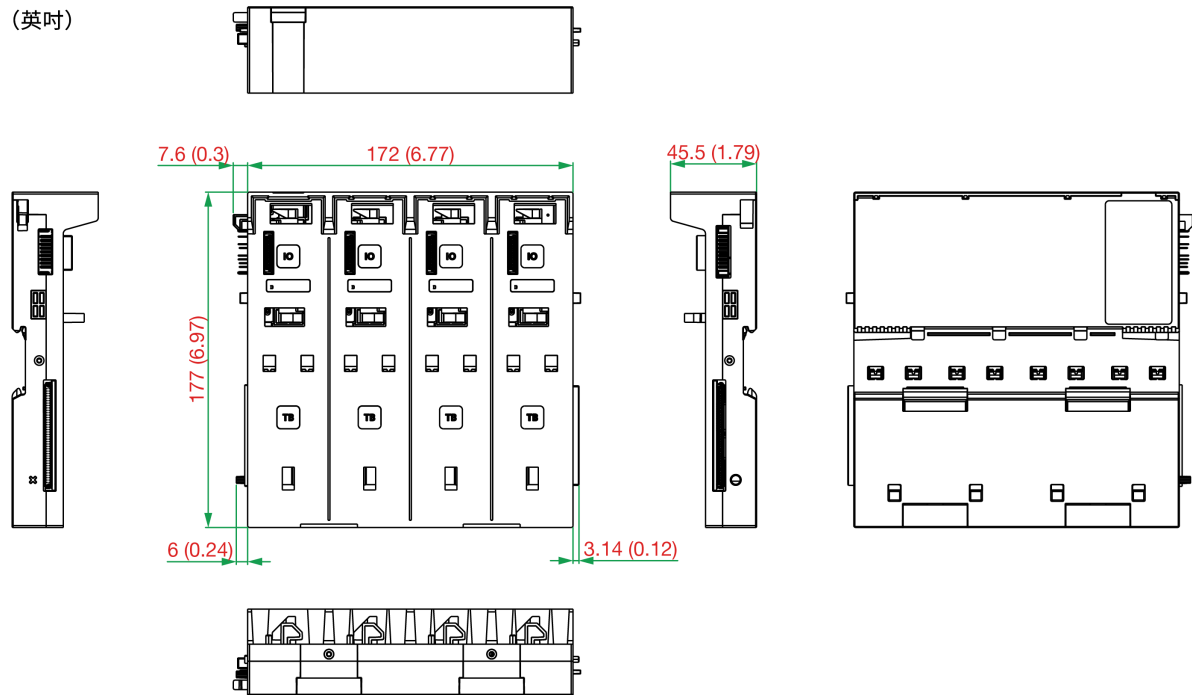
65M-BMIO02-CT-T

單位：公釐（英吋）



65M-BMIO04-CT-T

單位：公釐（英吋）



訂購資訊

Model Name	Slots	Module Supported	Conformal Coating	Operating Temperature
65M-BMPW01-CT-T	1	Power	Yes	-40 to 75°C
65M-BMPW02-CT-T	2	Power	Yes	-40 to 75°C
65M-BMCM01-CT-T	1	Communication	Yes	-40 to 75°C
65M-BMCM02-CT-T	2	Communication	Yes	-40 to 75°C
65M-BMCPU01-CT-T	1	CPU	Yes	-40 to 75°C
65M-BMCPU02-CT-T	2	CPU	Yes	-40 to 75°C

Model Name	Slots	Module Supported	Conformal Coating	Operating Temperature
65M-BMIO02-CT-T	2	IO	Yes	-40 to 75°C
65M-BMIO04-CT-T	4	IO	Yes	-40 to 75°C
65M-BMEXP01-CT-T	1	Expansion	Yes	-40 to 75°C
65M-BMEXP02-CT-T	2	Expansion	Yes	-40 to 75°C

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