

DRP-C100 系列

配備 Tiger Lake 第 11 代 Intel® Core™ 處理器基礎型號及高介面型號的 DIN 導軌電腦



特色與優點

- 無風扇設計的 DIN 導軌安裝電腦
- Intel® Celeron® 或 Intel® Core™ i5 或 i7 處理器
- 最多 8 個串列與 10 個 LAN 連接埠的豐富介面選項
- 小巧尺寸，適用於大多數現場應用
- -30 至 60°C 操作溫度範圍
- DNV、CID2、ATEX 與 IECEx 認證

認證



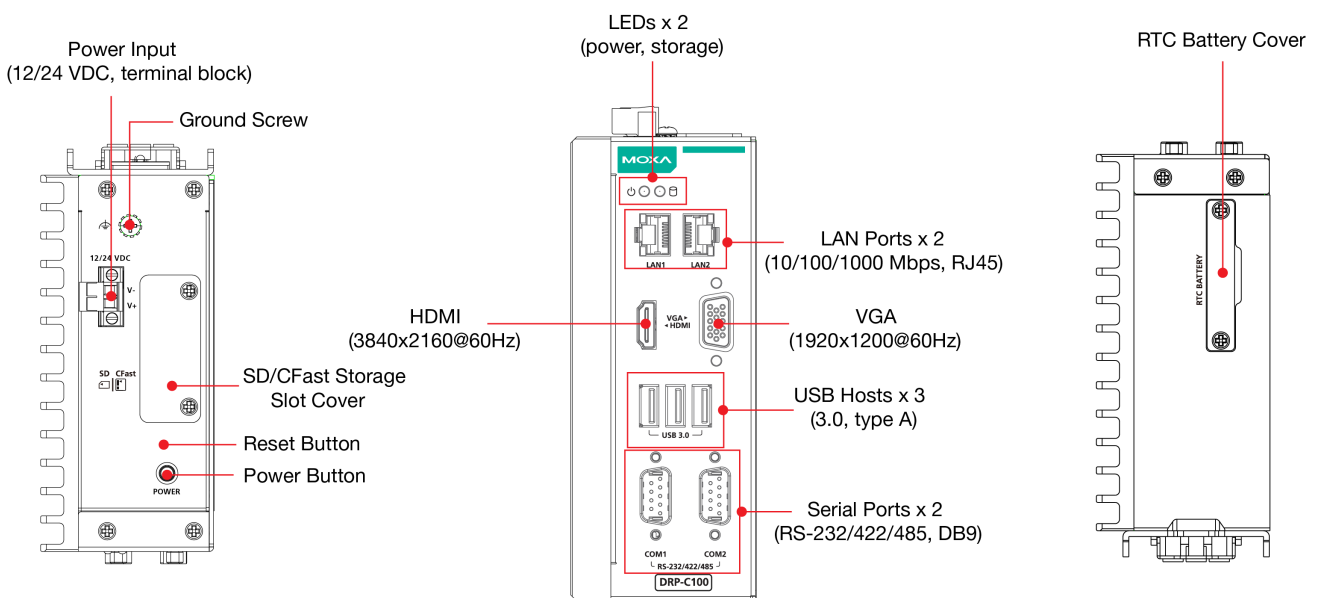
簡介

DRP-C100 系列 DIN 導軌式電腦採用第 11 代 Intel® Celeron® 或 Intel® Core™ i5 或 i7 處理器，並具備多樣化的介面配置，包括最多 8 個軟體可選擇的 RS-232/422/485 串列埠與最多 10 個 Gigabit 乙太網路連接埠。通訊介面位於產品正面與背面，方便在工業應用中進行存取與擴充。雙儲存設計包括 CFast 與 SD 插槽，可便於輕鬆擴充儲存。電池槽採用獨特的固定蓋設計，可將電池牢固固定，確保在各種操作環境下的穩定性，同時電池插槽的活板門設計可輕鬆更換電池而無需掀蓋。

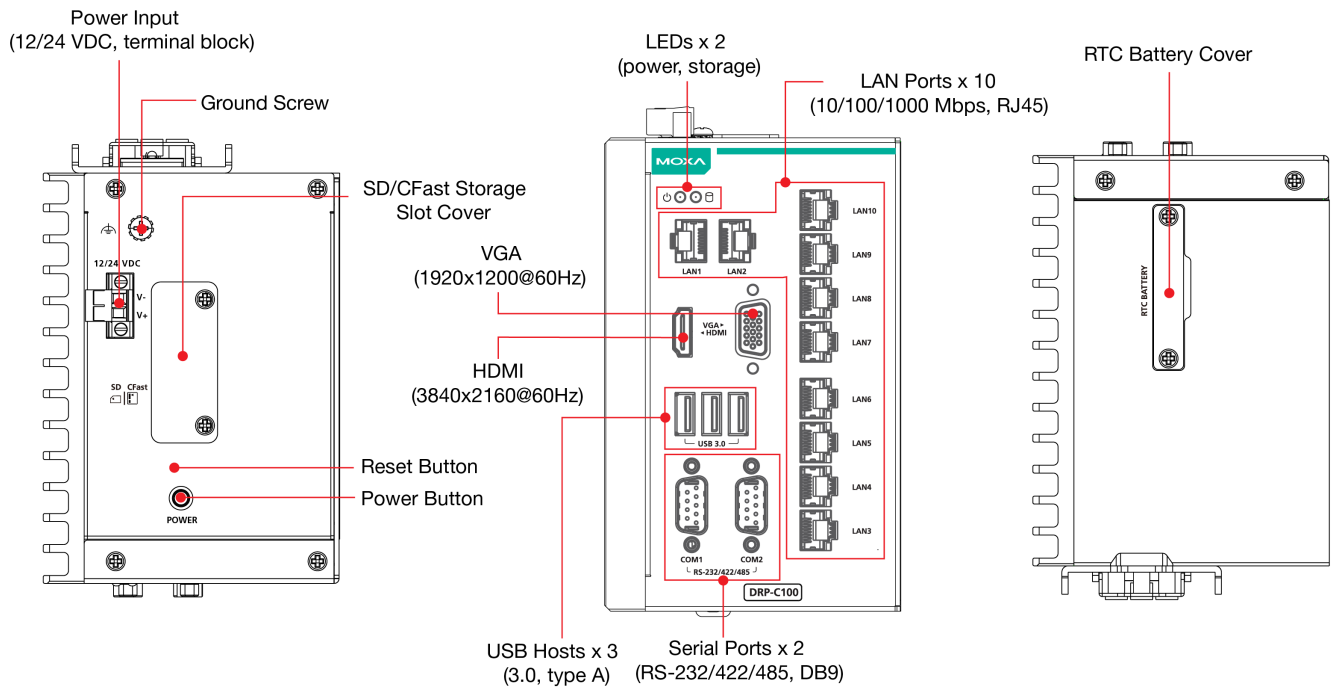
DRP-C100 輕巧型電腦具有無風扇設計，能夠承受 -30 至 60°C 的溫度範圍，適用於嚴苛操作環境。內建 TPM 2.0 模組可以防止平台遭受未經授權的存取。DRP-C100 系列是一個智慧型、可靠、耐用及多功能的易用運算解決方案，可滿足工業環境的 OT 與 IT 需求。

外觀

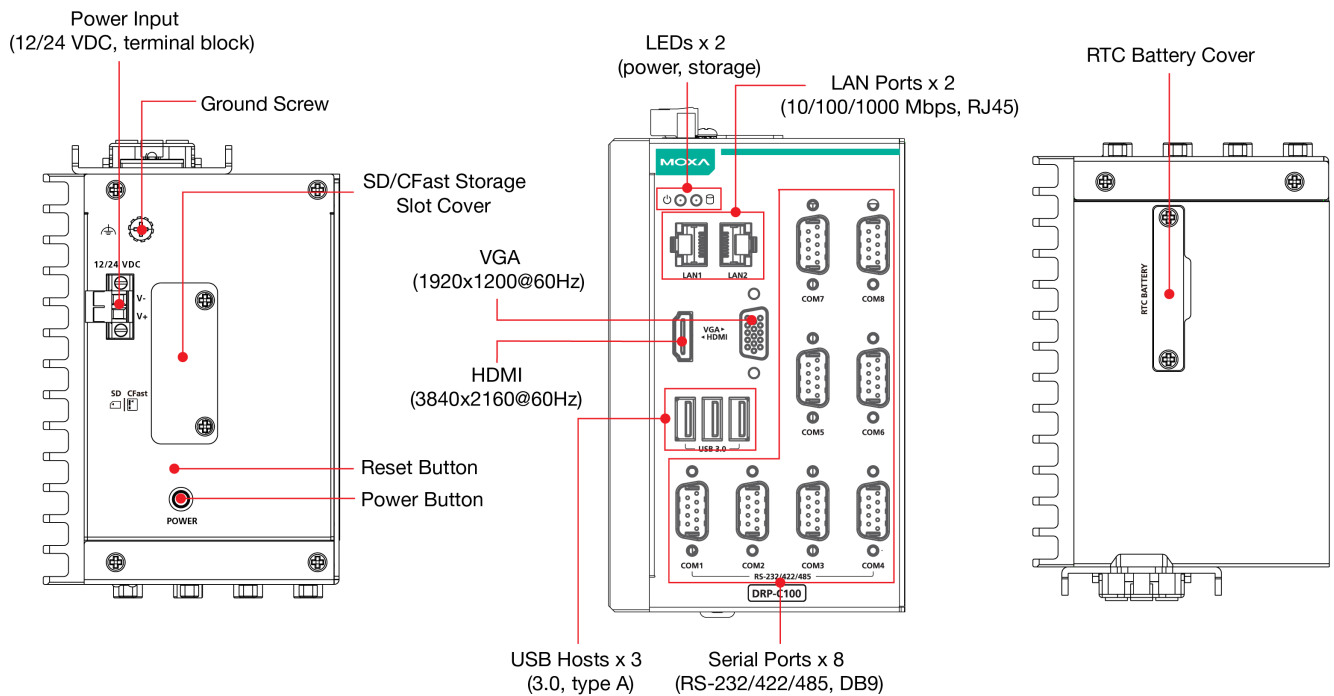
DRP-C100-C1-T/DRP-C100-C5-T/DRP-C100-C7-T/DRP-C100-C1-T-Win10/DRP-C100-C5-T-Win10/DRP-C100-C7-T-Win10 型號



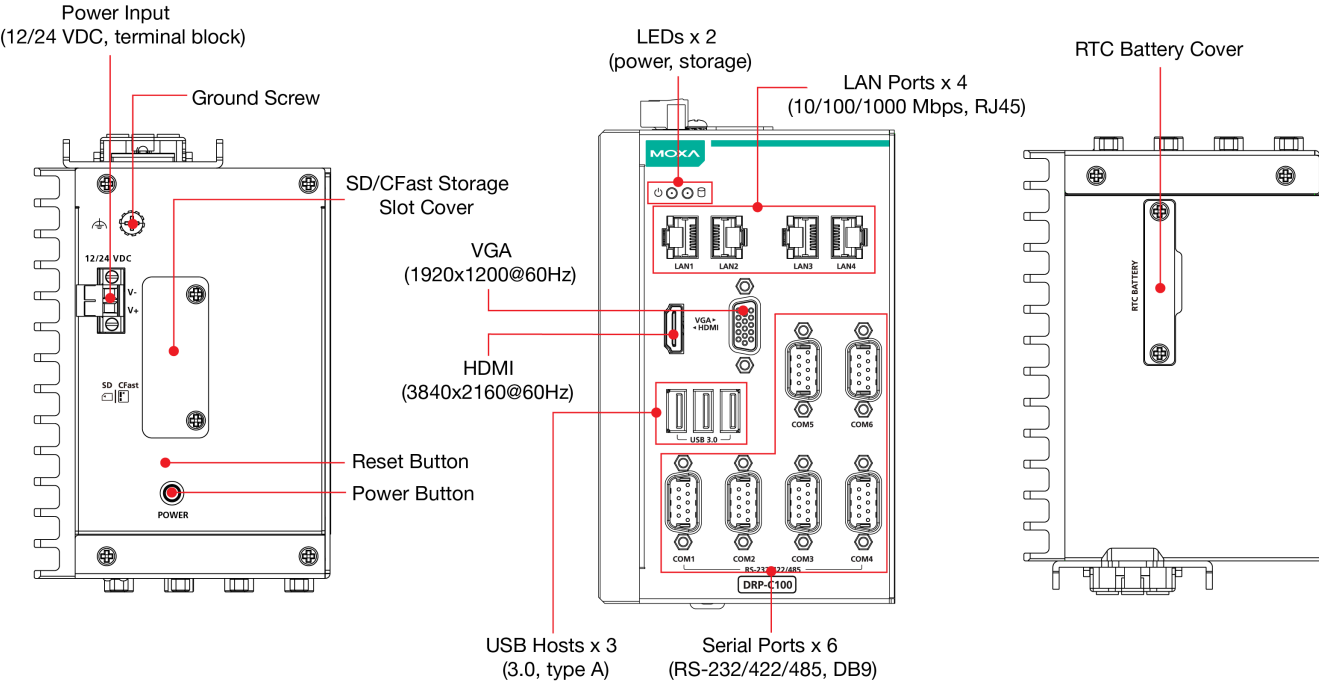
DRP-C100-C1-8L-T/DRP-C100-C5-8L-T/DRP-C100-C7-8L-T 型號



DRP-C100-C1-6C-T/DRP-C100-C5-6C-T/DRP-C100-C7-6C-T 型號



DRP-C100-C1-2L4C-T/DRP-C100-C5-2L4C-T/DRP-C100-C7-2L4C-T 型號



規格

Computer

CPU	DRP-C100-C1 models: Intel® Celeron® 6305E processor (Dual core, 4M cache, 1.80 GHz) DRP-C100-C5 models: Intel® Core™ i5-1145G7E processor (Quad core, 8M cache, 2.60 GHz, Base:1.50 GHz) DRP-C100-C7 models: Intel® Core™ i7-1185G7E processor (Quad core, 12M cache, 2.80 GHz, Base:1.80 GHz)
System Memory Slot	SODIMM DDR4 slots x 1, up to 32 GB max.
System Memory Pre-installed	8 GB DDR4
Storage Slot	CFast slot x 1 (SATAIII interface) SD slots x 1, SD 3.0 interface (SDHC/SDXC)
Storage Pre-installed	DRP-C100-C1-T-Win10/C5-T-Win10/C7-T-Win10 models: 64 GB CFast card
Supported OS	Windows images and drivers supported: - Windows 11 Professional 64-bit - Windows 11 IoT Enterprise LTSC 2024 64-bit - Windows 10 IoT Enterprise LTSC 2021 64-bit Linux drivers supported: - Debian 12 (kernel 6.1) - Debian 11 (kernel 5.10) - Ubuntu 22.04 LTS (kernel 5.15) - RHEL 9 (kernel 5.14)
Graphics Controller	Intel® UHD Graphics

Computer Interface

Ethernet Ports	DRP-C100-C1-8L-T/C5-8L-T/C7-8L-T: Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 10 DRP-C100-C1-2L4C-T/C5-2L4C-T/C7-2L4C-T: Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 4 All other models: Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2
Serial Ports	DRP-C100-C1-6C-T/C5-6C-T/C7-6C-T: RS-232/422/485 ports x 8, software selectable (DB9 male) x 8 DRP-C100-C1-2L4C-T/C5-2L4C-T/C7-2L4C-T: RS-232/422/485 ports x 6, software selectable (DB9 male) x 6 All other models: RS-232/422/485 ports x 2, software selectable (DB9 male) x 2
USB 3.0	USB 3.0 hosts x 3, type-A connectors
Video Output	HDMI 2.0b x 1, (type A connector) VGA x 1, 15-pin D-sub connector (female)
Buttons	Reset button Power button
TPM	TPM v2.0

Ethernet Interface

Magnetic Isolation Protection	1.5 kV (built-in)
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Serial Interface

Baudrate	50 bps to 115.2 kbps
Connector	DB9 male
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS, XON/XOFF

Serial Signals

RS-232	TxD, Rx D, 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

LED Indicators

System	Power x 1 Storage x 1
LAN	2 per port (10/100/1000 Mbps)

Power Parameters

Input Voltage	12/24 VDC
Power Consumption	90 W
Power Connector	Screw-fastened Euroblock terminal

Physical Characteristics

Housing	Metal
IP Rating	IP20
Dimensions	DRP-C100-C1-T/C1-T-Win10/DRP-C100-C5-T/C5-T-Win10/DRP-C100-C7-T/-C7-TWin10: 60 x 130 x 150 mm (2.36 x 5.12 x 5.91 in) All other models: 94 x 130 x 150 mm (3.70 x 5.12 x 5.91 in)
Weight	DRP-C100-C1-T/C1-T-Win10/DRP-C100-C5-T/C5-T-Win10/DRP-C100-C7-T/-C7-TWin10: 1,213 g (2.67 lb) All other models: 1,612 g (3.55 lb)
Installation	DIN-rail mounting

Declaration

Green Product	RoHS, CRoHS, WEEE
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Environmental Limits

Operating Temperature	-30 to 60°C (-22 to 140°F)
Storage Temperature	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A BSMI
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 6 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: line-to-ground 1 kV, line-to-line 0.5 kV; Signal: 1 kV IEC 61000-4-6 CS: 3 V, Spot Frequency: 10 V IEC 61000-4-8 PFMF: 1 A/m at 50 Hz
Safety	UL 62368-1 EN 62368-1 IEC 62368-1 BSMI
Maritime	DNV-CG-0339 IEC 60945 IACS E10
Hazardous Locations	ATEX IECEx Class I Division 2
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-64 IEC 60068-2-6 DNV-CG-0339 Class A IEC 60945
Package Drop Test	ISTA 1A

Package Vibration Test	ISTA 1A
Environmental Testing	IEC 60068-2-1, DNV-CG-0339 IEC 60068-2-1, IEC 60945 IEC 60068-2-2, DNV-CG-0339 IEC 60068-2-2, IEC 60945

Reliability

Time Source	Built-in RTC (real-time clock) with lithium-battery backup
Automatic Reboot Trigger	Built-in WDT

MTBF

Time	1,842,390 hrs
Standards	Telcordia (Bellcore), GB

Warranty

Warranty Period	3 years
Details	See www.moxa.com/tw/warranty

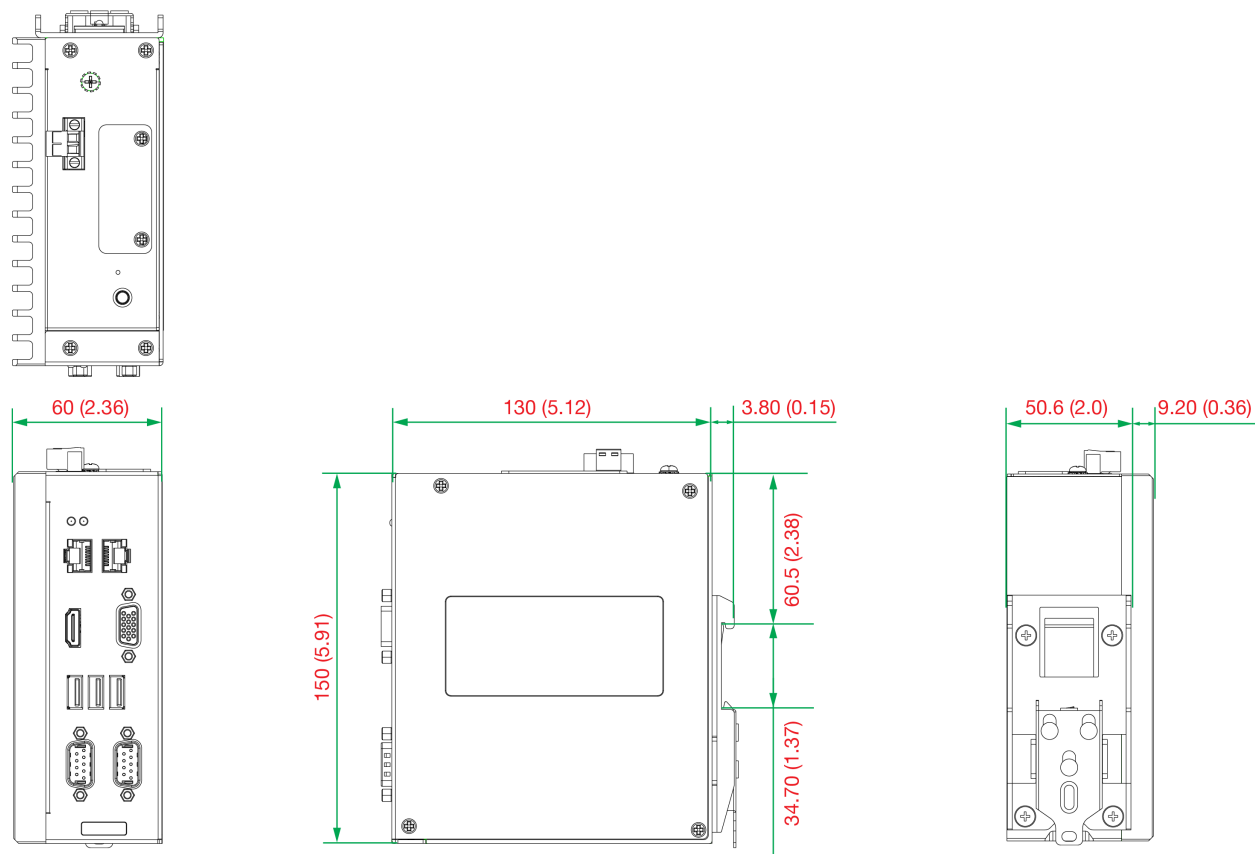
Package Contents

Device	1 x DRP-C100 Series computer with DIN-rail ears attached
Installation Kit	1 x terminal block, 2-pin, for DC power
Documentation	1 x quick installation guide 1 x warranty card

尺寸

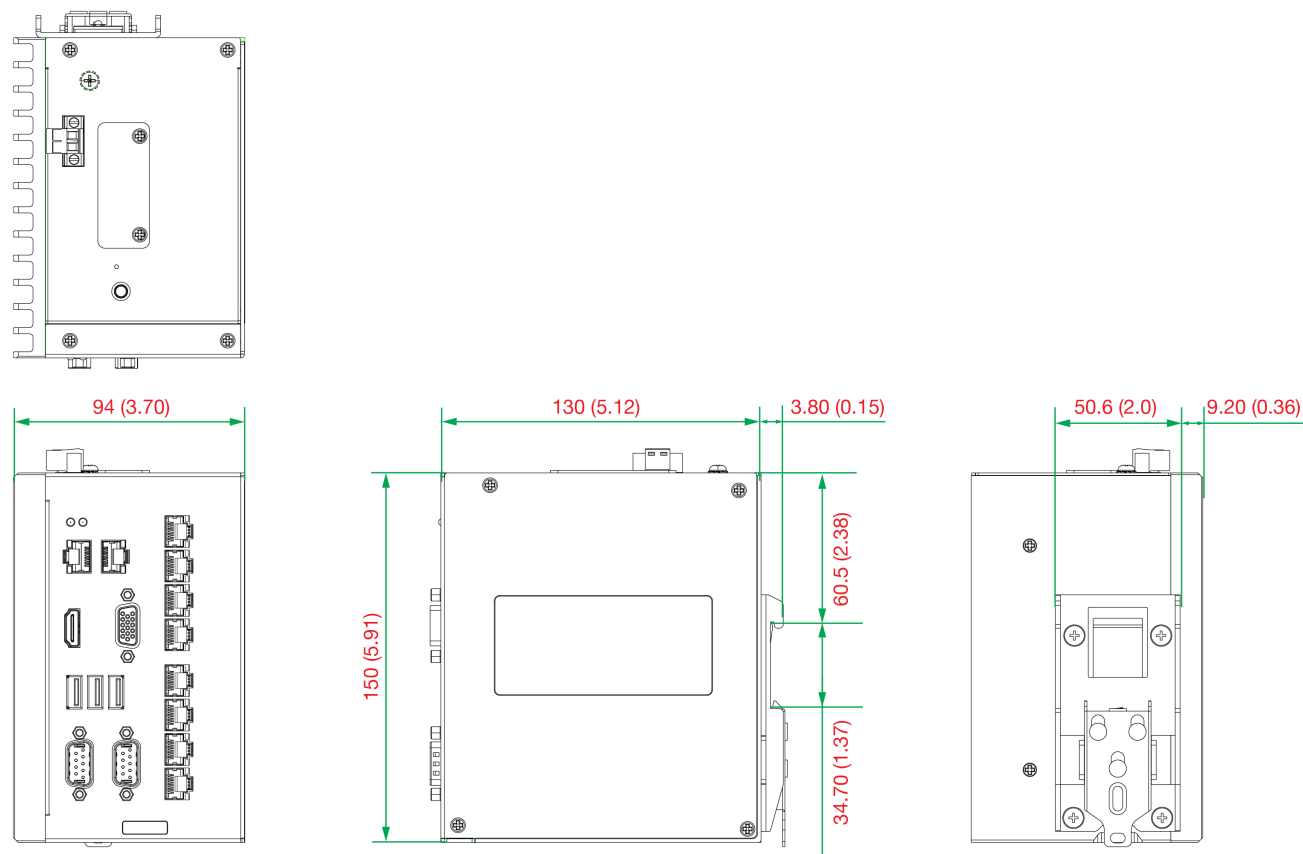
DRP-C100-C1-T/DRP-C100-C5-T/DRP-C100-C7-T 型號

單位：公釐（英吋）



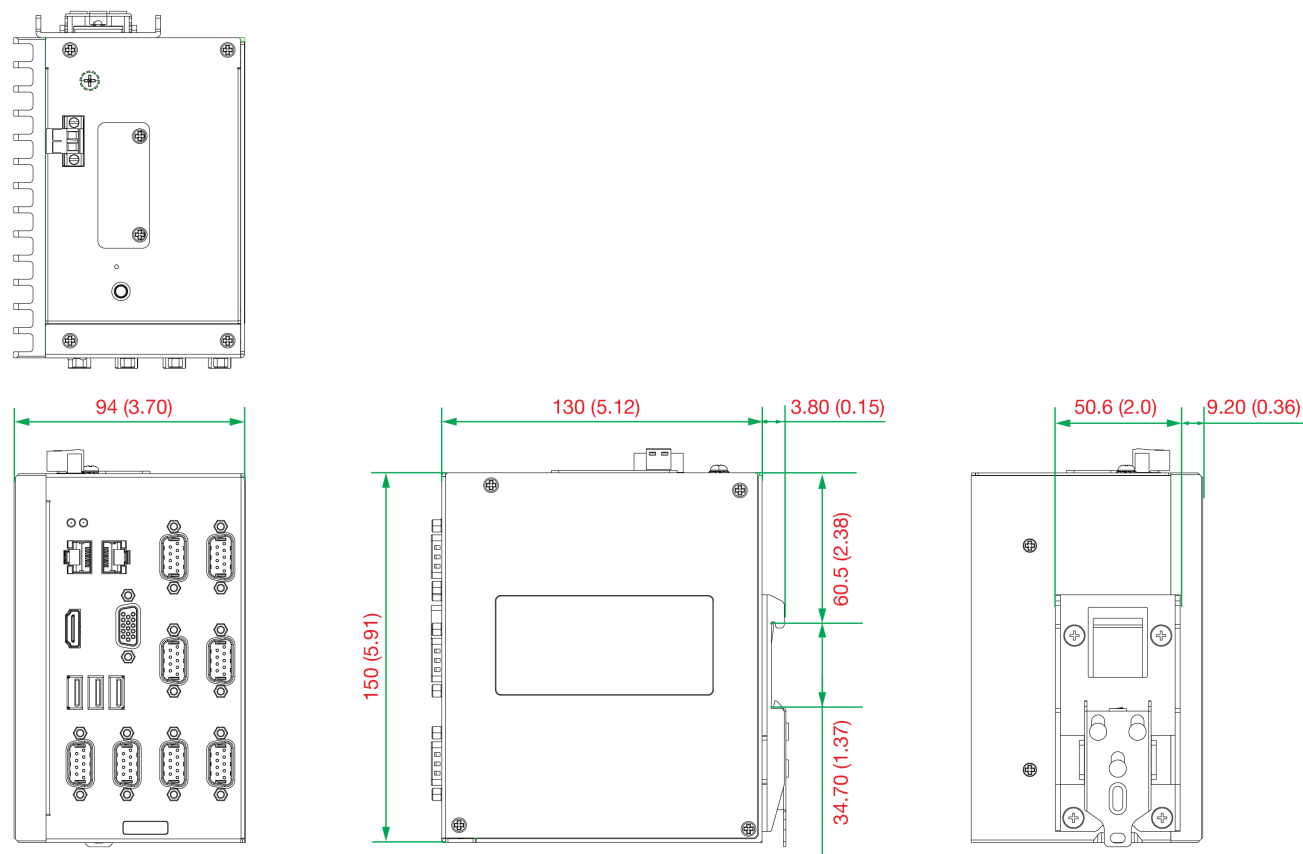
DRP-C100-C1-8L-T/DRP-C100-C5-8L-T/DRP-C100-C7-8L-T 型號

單位：公釐（英吋）



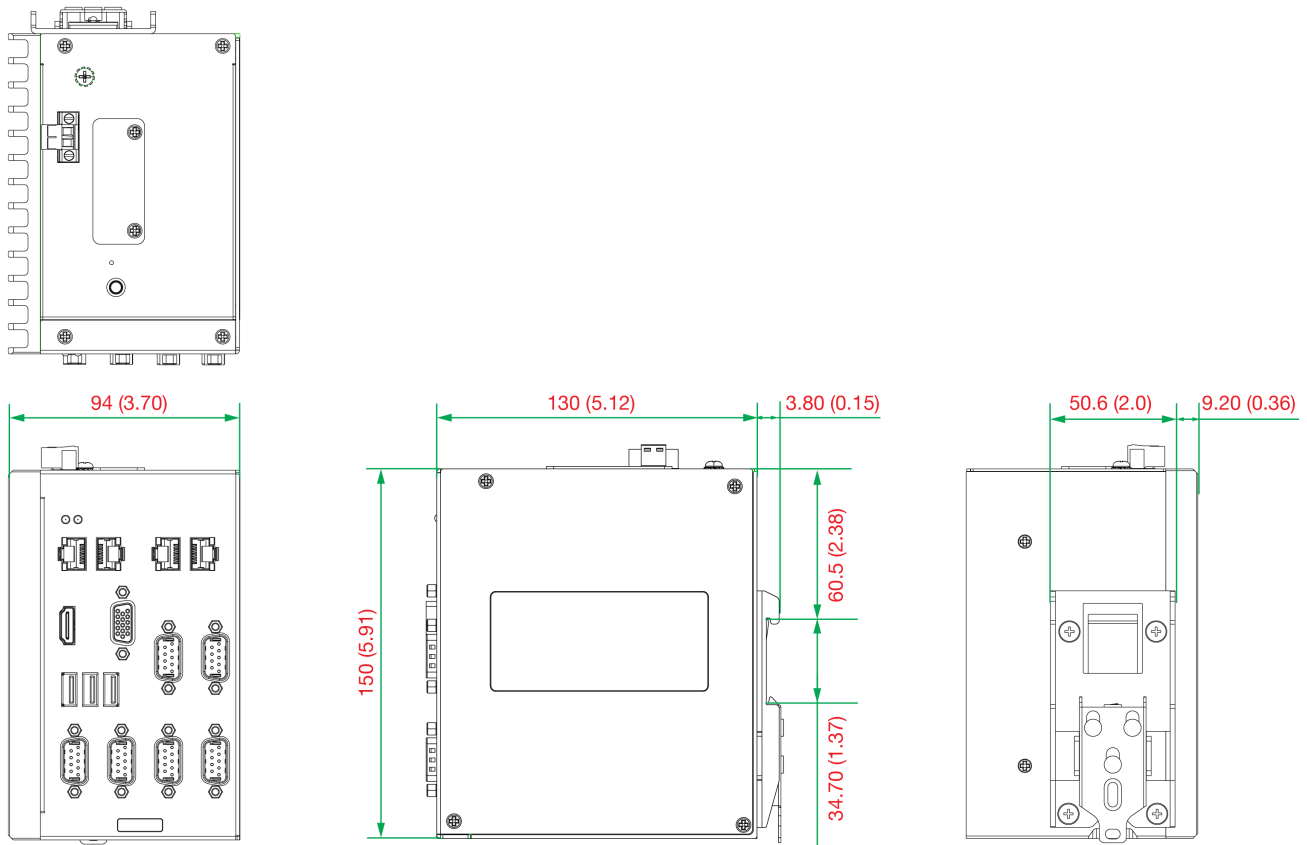
DRP-C100-C1-6C-T/DRP-C100-C5-6C-T/DRP-C100-C7-6C-T 型號

單位：公釐（英吋）



DRP-C100-C1-2L4C-T/DRP-C100-C5-2L4C-T/DRP-C100-C7-2L4C-T 型號

單位：公釐（英吋）



訂購資訊

Model Name	CPU	Memory	Storage Slots	OS Preinstalled	LAN/Serial	USB 3.0	Video Outputs	Power Input
DRP-C100-C1-T	Intel® Celeron® 6305E	8 GB	1 x CFast 1 x SD	–	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C1-T-Win10	Intel® Celeron® 6305E	8 GB	1 x CFast 1 x SD	Win 10 LTSC 64 GB CFast	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C1-8L-T	Intel® Celeron® 6305E	8 GB	1 x CFast 1 x SD	–	10/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C1-6C-T	Intel® Celeron® 6305E	8 GB	1 x CFast 1 x SD	–	2/8	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C1-2L4C-T	Intel® Celeron® 6305E	8 GB	1 x CFast 1 x SD	–	4/6	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C5-T	Intel® Core™ i5-1145G7E	8 GB	1 x CFast 1 x SD	–	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C5-T-Win10	Intel® Core™ i5-1145G7E	8 GB	1 x CFast 1 x SD	Win 10 LTSC 64 GB Cfast	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C5-8L-T	Intel® Core™ i5-1145G7E	8 GB	1 x CFast 1 x SD	–	10/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C5-6C-T	Intel® Core™ i5-1145G7E	8 GB	1 x CFast 1 x SD	–	2/8	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C5-2L4C-T	Intel® Core™ i5-1145G7E	8 GB	1 x CFast 1 x SD	–	4/6	3	1 x VGA 1 x HDMI	12/24 VDC

Model Name	CPU	Memory	Storage Slots	OS Preinstalled	LAN/Serial	USB 3.0	Video Outputs	Power Input
DRP-C100-C7-T	Intel® Core™ i7-1185G7E	8 GB	1 x CFast 1 x SD	–	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C7-T-Win10	Intel® Core™ i7-1185G7E	8 GB	1 x CFast 1 x SD	Win 10 LTSC 64 GB Cfast	2/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C7-8L-T	Intel® Core™ i7-1185G7E	8 GB	1 x CFast 1 x SD	–	10/2	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C7-6C-T	Intel® Core™ i7-1185G7E	8 GB	1 x CFast 1 x SD	–	2/8	3	1 x VGA 1 x HDMI	12/24 VDC
DRP-C100-C7-2L4C-T	Intel® Core™ i7-1185G7E	8 GB	1 x CFast 1 x SD	–	4/6	3	1 x VGA 1 x HDMI	12/24 VDC

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