

Industrial computers for industrial automation and machine vision.

High-performance CPU. Machine vision, automated production controller platform

BC300-Ultra

- 2 x Intel Gigabit Ethernet ports, 8 x Intel Gigabit PoE Ethernet ports or 16x isolated DO (NPN or PNP)
- 4 x USB 3.0 ports, 1 x on-board built-in USB 2.0 port (suitable for hardware dongle installation)
- 2 x RS232/RS485 ports, RS485 supports auto flow control
- 1 x Remote switch
- Supports dual display interfaces: VGA and HDMI
- 1 x miniPCIe expansion slot, expandable with WiFi, 3G/4G modules
- Wide voltage DC 12~24V input, with over-current, over-voltage, and reverse polarity protection
- Optional wall-mounted or DIN-Rail mounting



Low power consumption, small size, fanless design



BC100-J6413

- 3 x Gigabit network ports of Intel i2-A1T0
- 3 x USB interfaces
- 1 x RS232, 1 x RS485
- 1 x User-defined LED light
- 1 x mini PCIe expansion slot
- HDMI and DP display
- DC 12-24V wide voltage input
- Optional wall-mounted installation or DIN-Rail rail-mounted installation
- Supports -20 ~ 60°C wide temperature working environment

AIOT edge computing Gateway

BC101-A6/A8

- Rockchip RK3576/RK3588
- Rich I/O interfaces and exquisite appearance
- DC12~24V Power supply
- Fanless design, aluminum profile heat dissipation
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 70°C supported



FEATURES 特徴

- 4x Gigabit network ports
- 4x USB 3.0 interfaces, with a built-in 1 USB 2.0 port for installing a hardware encryption dongle.
- 1x RS232/RS485, RS485 supports automatic flow control
- 1x Remote switch 16x isolated DI (NPN/PNP),
- 16x isolated DO (NPN or PNP)
- Supports dual display interfaces of VGA and HDMI
- 2x mini PCIe expansion slots, allowing expansion of Wi-Fi, 3G/4G modules
- DC 12~24V wide voltage input, with overcurrent, overvoltage protection and reverse connection protection.
- Optional wall-mounted installation or DIN-Rail rail-mounted installation.



SPECIFICATION | 仕様

	Model 型番	BC300-Ultra-D16
System システム	CPU	Intel Core Ultra 255H, 16 cores/16 threads, base frequency 2GHz (P-core)/1.5GHz (E-core), 24MB Intel® Smart cache
	TDP	28W
	BIOS	AMI UEFI BIOS
	GPU	Intel® Arc™ 140T GPU
	NPU	Intel® AI Boost
	Overall peak TOPS 総合ピークTOPS	96(GPU74+NPU13)
	Memory メモリ	32GB, 2 x SO-DIMM DDR5-5600MT/s
	Storage ストレージ	1TB, 1 x mSATA slot, SATA 3.0
	Watch Dog	Programmable settings from level 1 to 255
	TPM	dTPM:SLB9672XU2.0
I/O	USB	4 x USB3.0, 1 x USB2.0 Type-A (built-in, can install hardware encryption dongle ボード内にハードウェア暗号ドッグを設置可能)
	COM	2 x RS232/RS485, (COM1), with the maximum baud rate of 115.2 kbit/s 最高波特率115.2kbit/s
	RJ45	4 x Intel i210-AT Gigabit Network Port ギガビットネットワークポート 1 x Expandable Network Port(Optional) 拡張可能なネットワークポート(オプション)
	Remote Switch	1 x Remote switch リモートスイッチ
	VGA	1 x VGA, Max 1920 x 1080 at 60Hz
	HDMI	1 x HDMI, Max 3840 x 2160 at 30Hz
	Expansion 拡張インターフェース	2 x Full-size mini PCIe card slot, 1 of them with SIM card slot
OS オペレーティングシステム	Microsoft Windows	Windows 10 , Windows11
	Linux	Ubuntu , Debian , CentOS
Power 電源	Voltage Input 入力電圧	DC 12~24V±10%,overcurrent,overvoltage protection & reverse connection prevention function 過電流保護、過電圧保護および逆接続防止機能付き
	Power Consumption 電力消費	Max 90W
Certification 認証	EMC	CE EMC, Compliant EN 55032, EN55035, EN IEC 61000 -6-2, EN IEC 61000 -6-4, FCC Class A
	Safety Regulations 安全	Compliant EN IEC 62368-1
Physical 型式①	Dimension 外形寸法	(L)200mm x (W)150.5mm x (H)74.6mm
	Net Weight 体重	2.4Kg
Environment 環境	Operating Temp 使用周囲温度	-20°C ~ 60°C (-4°F ~ 140°F) With wind, use SSD
	Storage Temp 保存周囲温度	-40°C ~ 80°C (-40°F ~ 176°F)
	Humidity 作動湿度	95% @ 40 °C (no condensation 凝結なし)
	Vibration 振動	5-500Hz, 3 Grms, SSD wall-mounted installation, in accordance with IEC 60068-2-64 SSD壁掛け設置、IEC60068-2-64に準拠
	Impact 衝撃	30G, 11ms duration, SSD wall-mounted installation, in accordance with IEC60068-2-27 11msの持続時間、SSD壁掛け設置、IEC60068-2-27準拠

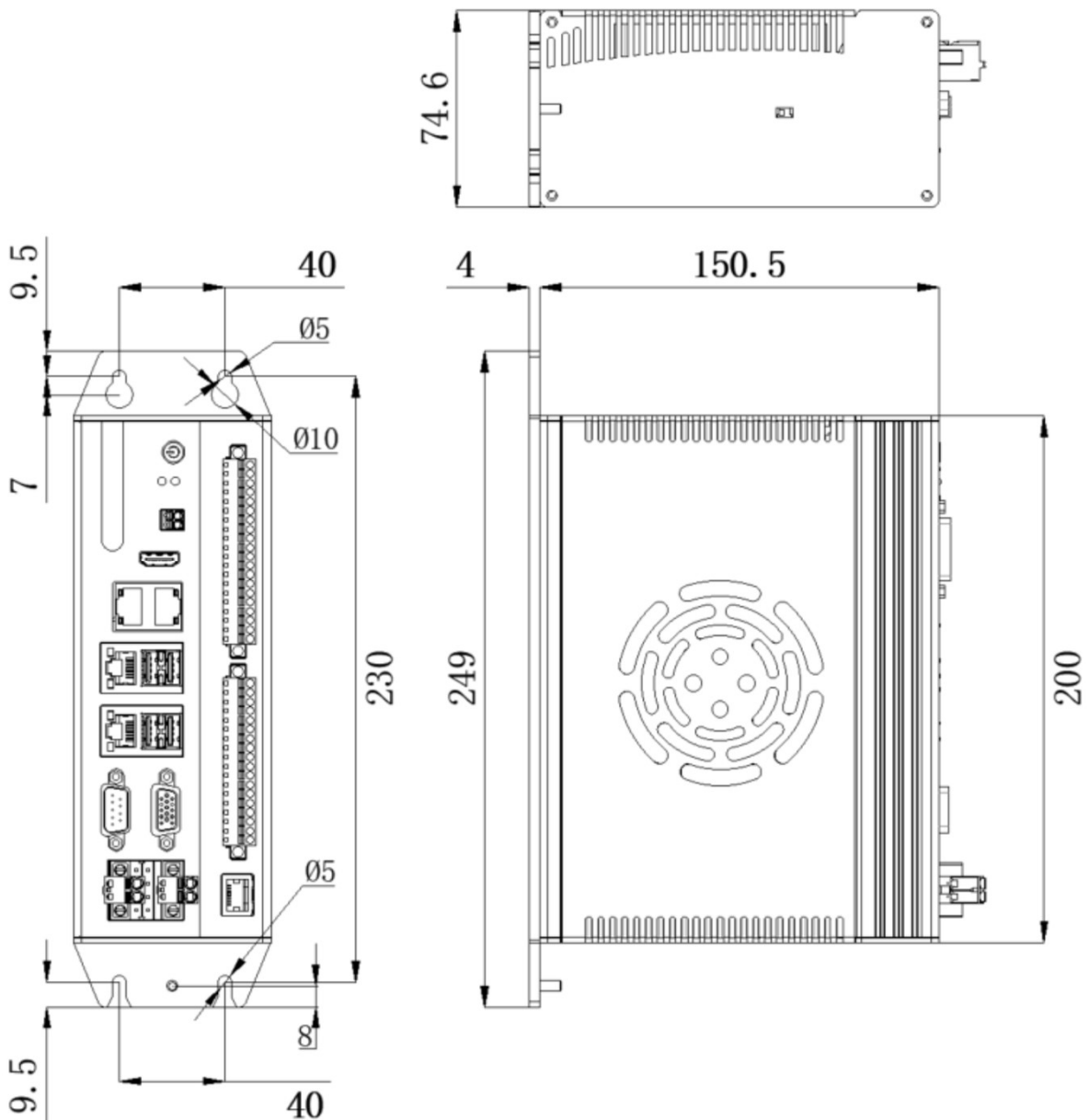
Note 注釈:

①Structural Design 構造設計: Fully enclosed aluminum profile housing, with an embedded fan for intelligent cooling. It supports both wall-mounted installation and DIN-Rail rail-mounted installation.

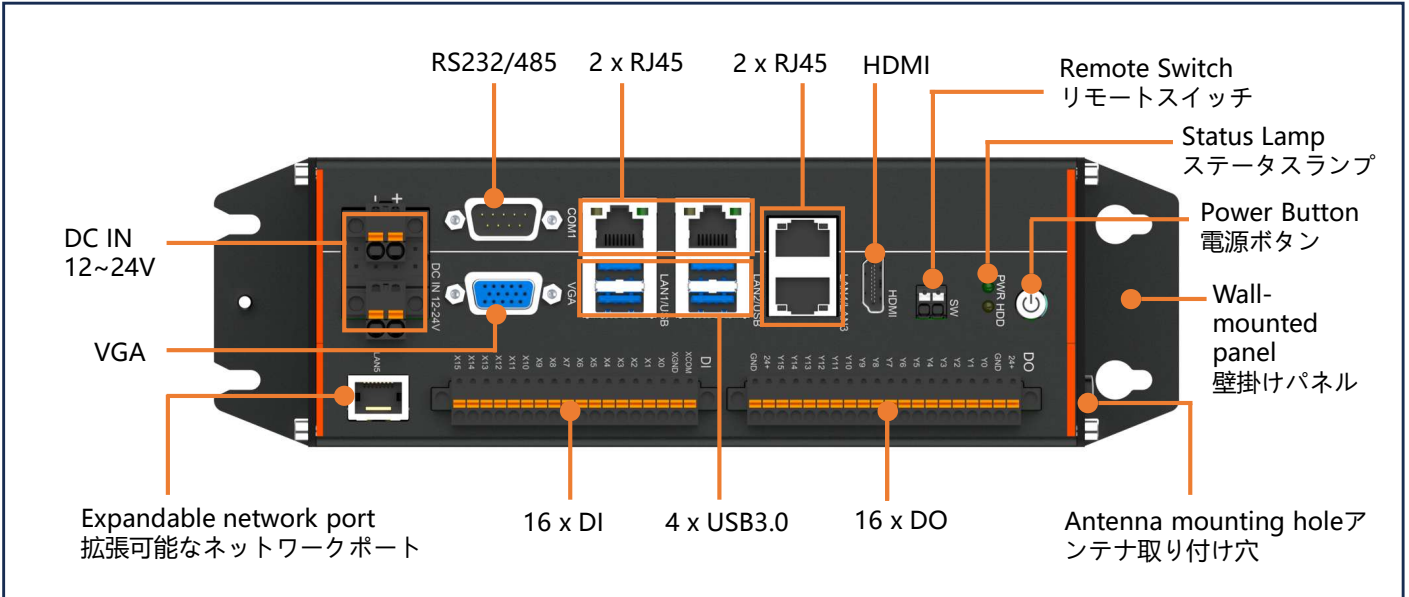
完全密閉型アルミプロファイル外装、内蔵ファンによるスマート放熱機能を備え、壁掛け設置またはDINレール式導軌設置に対応しています。

DIMENSIONS 外形寸法

Unit 単位: mm



INTERFACE インターフェース



ORDER INFORMATION 注文情報

Product 製品	Description 説明
BC300-Ultra-D16	CPU: Ultra 7 255H, Memory: None, mSATA: None, 1 x RS232/485 (Configurable), 4 x GbE LAN, 4 x USB3.0, 16 x DI, 16 x DO, HDMI / VGA, Power Input: 12~24V DC CPU: Ultra 7 255H、メモリ: 無、mSATA: 無、1x RS232/485 (設定可能)、4 LAN、4 x USB3.0、16 x DI、16 x DO、HDMI/VGA ディスプレイ、12-24V 直流電源入力

OPTIONS 構成オプション

Product 製品	Description 説明
Memory	DDR5-5600MHz: 4GB, 8GB, 16GB, 32GB, 48GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
M.2 SSD	128GB, 256GB, 512GB, 1TB, 2TB
WiFi Kit WiFiキット	Mini PCIe: WIF kit (AX210/7260 series), cylindrical antenna WIFキット (AX210/7260シリーズ)、円柱アンテナ
Installation 取り付け方法	DIN-Rail レール式設置

ACCESSORIES アクセサリー情報

Name 名称	Description 説明
2-pin power terminal 2ピン電源端子	5.08mm 1*2-pin connector, terminal end 5.08mm 1*2ピン、端子
Guide rail mounting base ガイドレール取り付けベース	Din-Rail brackets require that the rails comply with the IEC 60715 standard (35mm wide, 1mm thick) DINレール取付けブラケット(DINレール対応)、レール仕様: IEC 60715規格準拠 (幅35mm、厚さ1mm)
Wall-mounted panel 壁掛けパネル	249 x 74.6 mm Wall-mounted panel 249 x 74.6 mm 壁掛けパネル
WiFi Kit Intel AX210	Mini PCIe, Wi-Fi 6 2.4G/5G external single-root rod-shaped antenna Mini PCIe、Wi-Fi 6 2.4G/5G 外付け単ルートロッド型アンテナ
WiFi Kit Intel 7260AN	Mini PCIe, Wi-Fi 5 2.4G/5G external single-root rod-shaped antenna Mini PCIe、Wi-Fi 5 2.4G/5G 外付け単ルートロッド型アンテナ
WiFi Kit Intel 7260AN	Mini PCIe, Wi-Fi 5 2.4G/5G external 3-meter magnetic antenna Mini PCIe、Wi-Fi 5 2.4G/5G 外付け3メートル磁気アンテナ