Modular Industrial Panel PC

UTC Series
Introduction

ENT GROUP

Mini PC
Factory outlet

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01 Why Modular

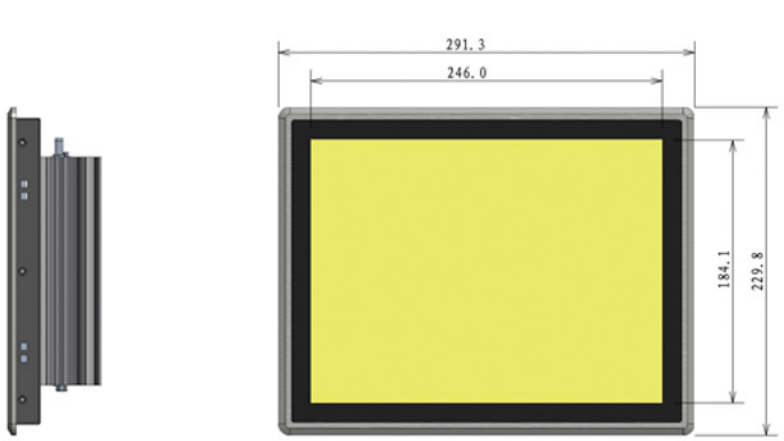
With the advent of Industry 4.0 and changes in market demands, fast time to market and customer responsiveness have become key issues for the manufacturing industry.

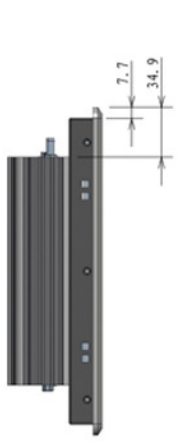
Traditional Panel PCs are limited by configuration, structural design and other reasons, and can only meet the needs of the project at that time. If you need to upgrade the configuration, you will face the problem of re-selection, compatibility design, selection and testing of cabinets and other external devices. In the end, the cost will increase significantly.

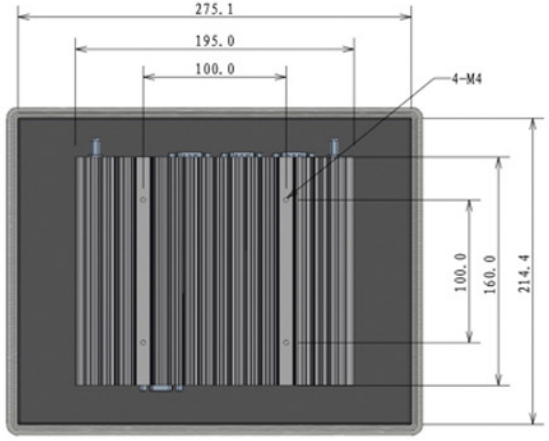
02 Features

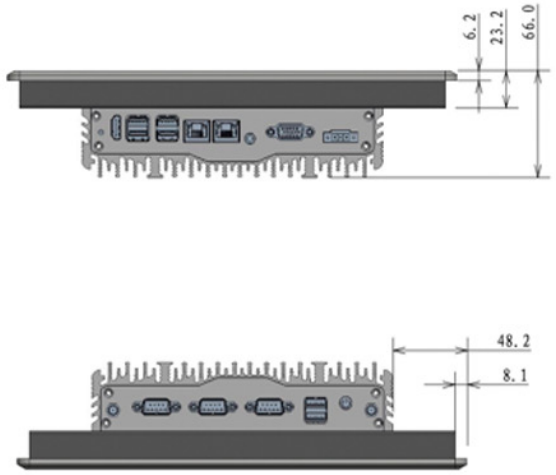
Cable-less Design

Highly Compatible Structure

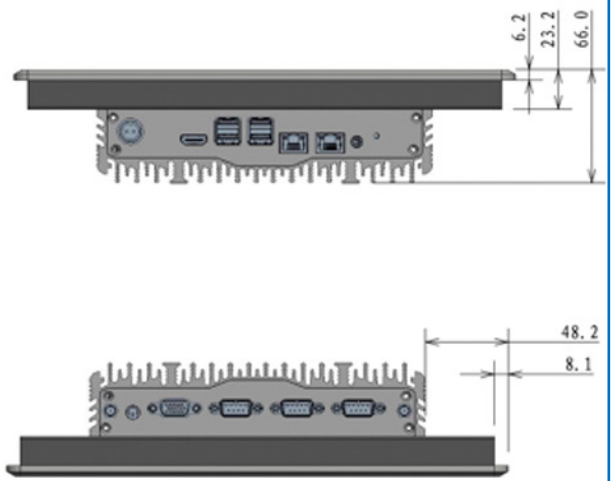




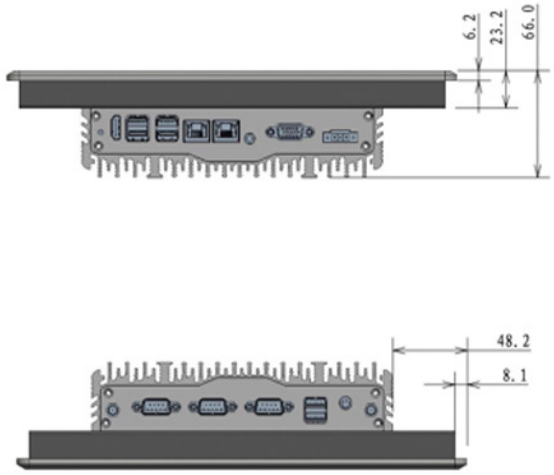




Celeron J1900

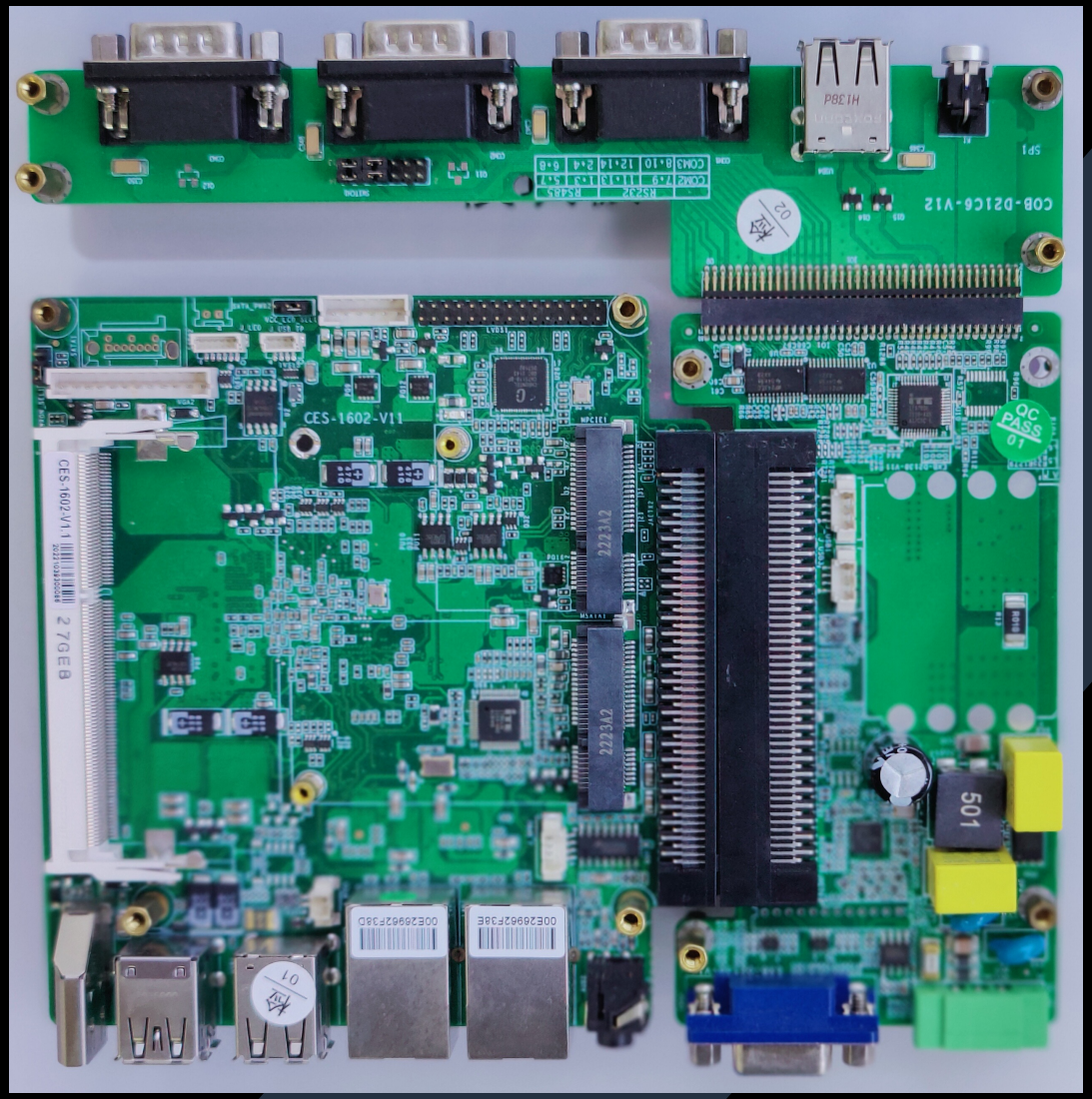


7th Gen Core



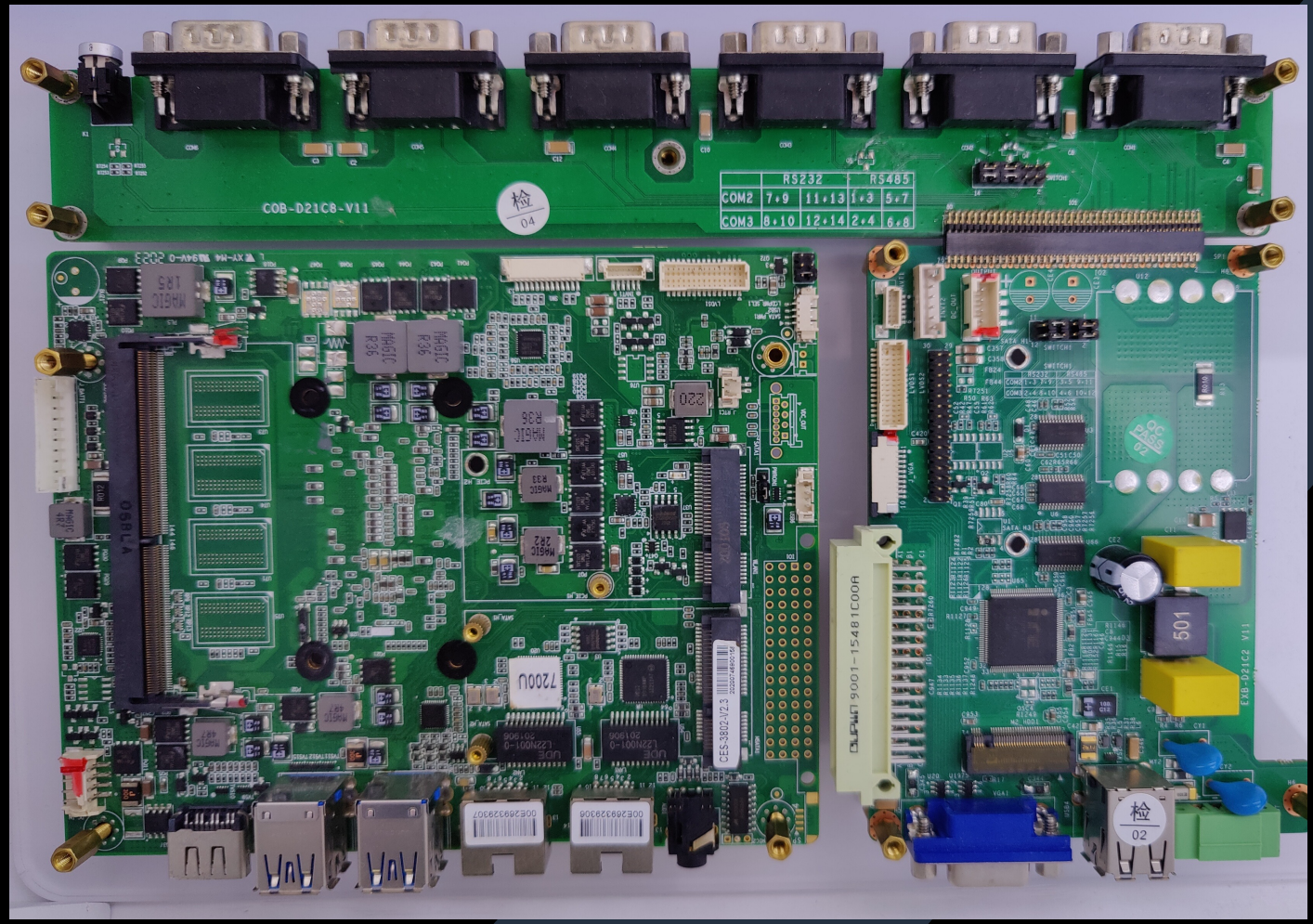
10th Gen Core

Board to Board Design



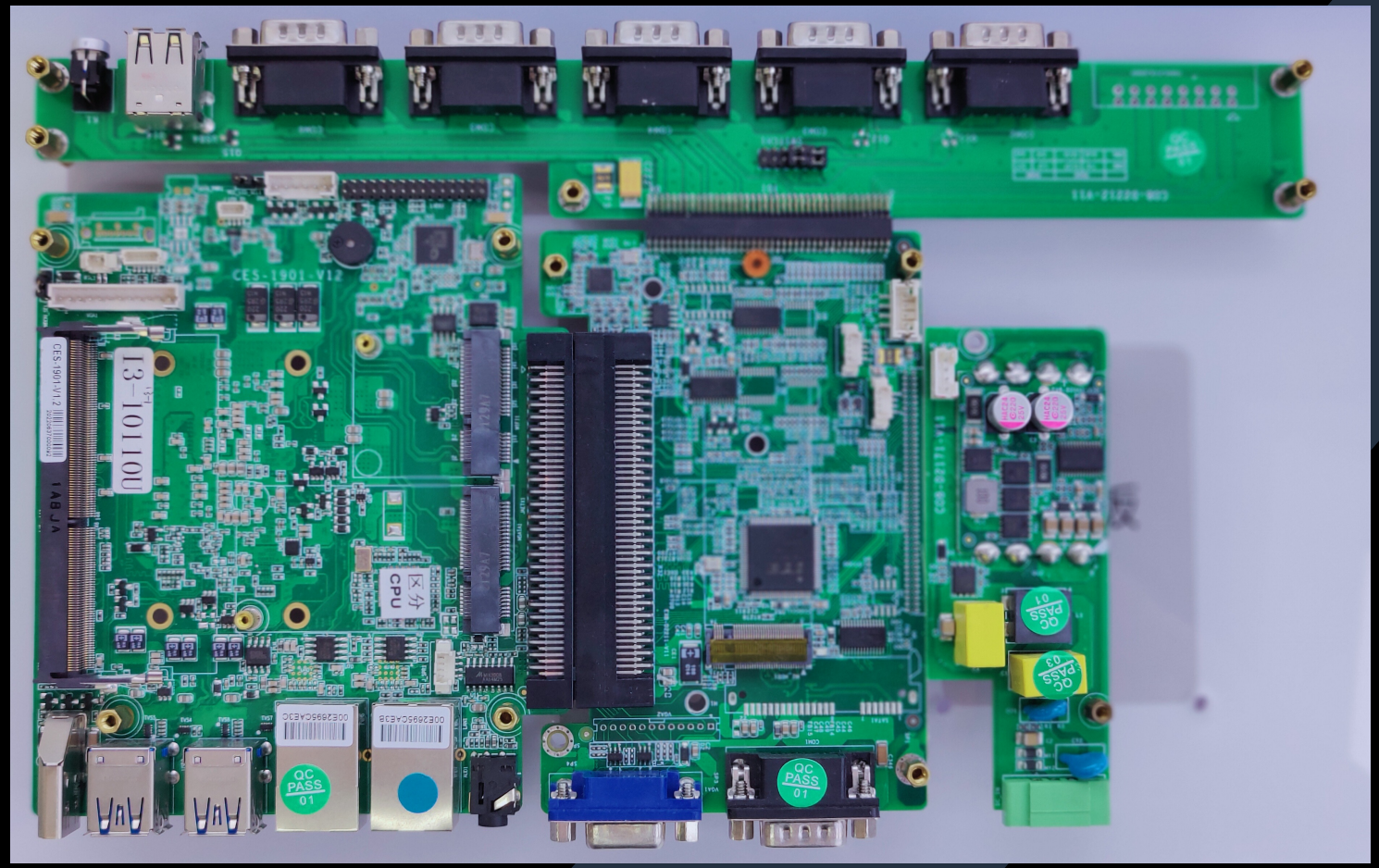
Celeron J1900 Platform

Board to Board Design



7th Gen Core Platform

Board to Board Design



10th Gen Core Platform

03 Advantages

Flexibility & Versatility

Modular panel PCs provide flexibility in terms of hardware configurations, connectivity options, and integration capabilities

Users can choose the modules that best suit their application, such as different CPU options, memory capacities, storage types, and I/O interfaces

This versatility allows for seamless integration with existing systems and facilitates diverse industrial applications

Scalability & Future-Proofing

The modular design of panel PCs enables easy scalability and future expansion

As business needs evolve or new technologies emerge, users can add or replace modules without replacing the entire system

This scalability helps businesses adapt to changing requirements and extend the lifespan of their computing infrastructure

Cost–Effectiveness

Modular panel PCs offer cost-effective solutions compared to traditional fixed-configuration systems.

Instead of purchasing an entirely new system, users can simply upgrade or replace specific modules to meet their evolving needs

This approach reduces costs and allows businesses to allocate resources more efficiently

Compact Design
&
Space Efficiency

Modular panel PCs are often designed with a compact form factor, making them suitable for installations in space-constrained environments

Their stackable and modular nature allows for efficient space utilization, enabling users to optimize their workstations and equipment layouts

Market Adaptability

The market demand for modular panel PCs stems from the need for adaptable and scalable computing solutions across various industries

As industries undergo digital transformation and embrace automation, the ability to customize, scale, and upgrade computing systems becomes crucial for improved operational efficiency and competitiveness

Customization

Different industries and applications have unique computing requirements. Modular panel PCs allow users to customize the system configuration based on their specific needs, selecting the appropriate modules for their applications

This customization ensures optimal performance and functionality, leading to improved productivity and efficiency.

Easy Maintenance and Upgrades

Modular panel PCs simplify maintenance and upgrades. If a component fails or needs upgrading, the affected module can be easily replaced without replacing the entire system.

This reduces downtime and maintenance costs, making it more convenient for users to keep their systems up to date.

04 Applications

Smart Factory

Smart Logistics

Smart Device Manufacturing

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