

WEBICC BOX PC

Industrial MINI PC, Fanless Box PC, pre-installed with WEBICC scada/hmi software.

X86-based Industrial PC, Industrial Computer



Features

- Grids Surface Design
- Aluminium Alloy Casing
- Industrial Rugged Design
- Vibration & Shock Resistance
- Fanless heat-Dissipation
- Plug-n-Play
- Mini size
- Anti Corrosion
- Industrial Mainboard
- Fully Enclosed
- Temperature: -10°C + °60 C
- Preinstalled WEBICC SCADA software

Introduction



Industrial Mini PC Fanless: J4125 fanless CPU Quad-core, Celeron J1900, i3, i5, i7 Industrial Box PC with WEBICC pre-installed

Size: 200*189*59mm

X86-based Industrial PC, Industrial Computer

This reliable, durable mini PC is designed with industrial grade components for 7/24 reliable operation under harsh conditions.

Industrial mini PCs based on the X86 platform, built for industrial use purposes or other harsh environments. They have passed rigorous tests to ensure to provide long-lasting, reliable operation for 24/7 hours. Compared with consumer computers, Fanless PC has higher dependability and stability in heavy industry, transportation systems, oil and gas fields, and maritime applications.

BOX-WEBICC industrial embedded computers are computers that are designed for industrial use, with high reliability, and high scalability to better suit the harsh operating environments. Offer excellent performance, and boost the performance of a wide range of workloads, including industrial process control, image processing, and analysis, data collection, and compute acceleration.

Features Hardware

- Precise manufacturing, ingenious craftsmanship, compact body, lightweight, and small footprint, excellent for limited space.
- Small-sized mini fanless PC with lower power consumption and better than a desktop industrial computer.
- Aluminum alloy material, and with the wire drawing process, the mini PC looks elegant.
- The surface of the mini PC is covered with Oxidation film, which has corrosion resistance and certain insulation.
- Strong environmental adaptability in a harsh industrial environment, such as different and changing temperatures and humidity ranges.
- Satisfy the level of dust-proof, anti-corrosion, and anti-vibration. Also, with good electromagnetic compatibility and anti-interference ability.
- High stability under continuous high loads operation in long-time production control in the automation industry.
- Fanless PC structure and circulating heat dissipation system for long span-life.
- Mute design: this fanless mini PC runs without noise, offers comfortable operation environments for operators.
- Support wall-mounted, embedded mount, and fixed installation, it can be fixed on a wall or desk, which is space-saving and easy to install.

Features Software

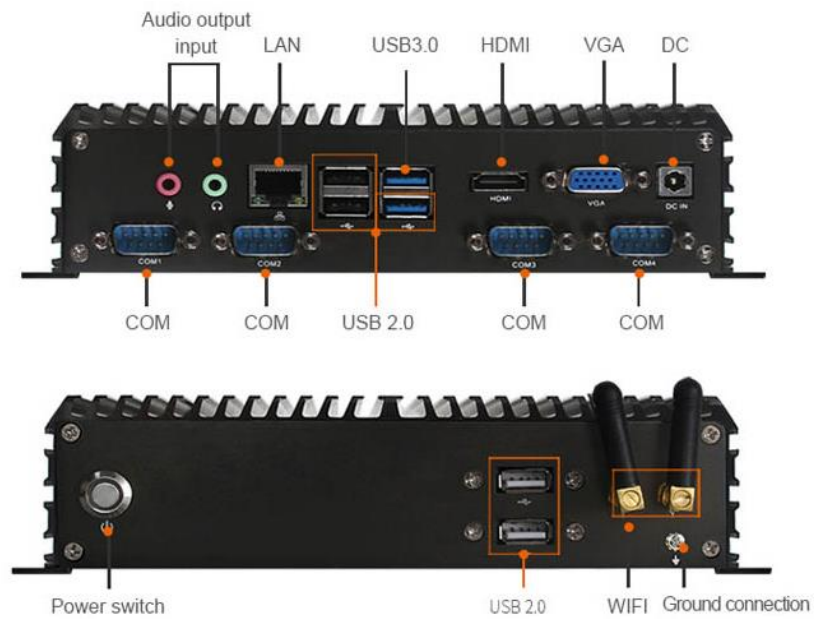
WEBICC is a SCADA/HMI software platform pre-installed on the WEBICC BOX PC 100% configurable, developed on web technologies for viewing industrial processes both locally and remotely. It uses a new technological concept that allows the editing and running of the SCADA software project. It is an intuitive configurable software that allows a RAD (Rapid Application Development) type development. Contains a suite of configurable modules specific to SCADA applications for:

- communication with hardware equipment,
- tag management,
- event alarms,
- historical data,
- synoptic screens,
- the role of users,
- report generation,
- programming particular functions through scripts,
- tag simulation,
- troubleshooting logs,
- web acces,
- and more

More information: <https://webicc.eu>

Interface Design

4*COM ports, default RS232, RS485/422 optional



Dimensions



Product parameters

Hardware Configuration	CPU	Intel Celeron J1900 Quad-core 2.0GHz (upgradable; and J4125 fanless CPU Quad-core / i3 / i5 / i7 optional), Intel Smart Cache 2 MB
	Hard disk	128G/256G/512g SSD,500G 1T HDD
	Inner Memory	2G DDR3 (8G DDR3 optional)
	Display Chip	Mali400MP2 dual-core
	Operating System	Win10; Linux
	Graphics Card	Intel HD Graphics
	3G/4G Module	Available
	WIFI	Dual-frequency 2.4/5G
	Bluetooth and GPS	Available
	MIC	Available
	RTC real-time clock	Available
	Wake on LAN	Available
	Plug-and-play	Available
	Speaker	Available
	Interface Parameters	USB interface
Serial ports		Two-channel 232 serial ports, 422/485 optional
WIFI connector		WIFI antenna *1
Power interface		DC 12V*1
HD interface		HDMI*1
Expansion display		VGA*1
NIC interface		RJ-45*1
Audio interface		Audio I/O
I/O expansion		Available
Other Parameters	Working temperature	-20°C ~ 65°C
	Storage temperature	-40°C ~ 80°C
	Ambient humidity	20% - 95% (relative humidity non condensing)
WEBICC SCADA/HMI software licence	Tags count	64, 128, 256, 512, 1024, 2048, 4096, and more

Application

Application specific fanless industrial mini PC based on computer technology provides a software and hardware integration platform suitable for applications that require higher reliability, cost-effectiveness and higher power consumption. The fanless industrial mini PC has been widely used in network, communications, vehicle equipment, industrial automation, industrial robots and other industries.