

# eBOX-361X

Low-power Intel Atom fanless computer

Fanless BOX PC



## Brief introduction

eBOX-361X series is based on the Intel Atom fanless industrial computer processors, has a powerful computing capabilities while maintaining low power consumption, especially CPU and memory are used in surface mount technology, enhance product stability and compatibility ; storage without using a cable connection, while supporting the SATA hard disk storage and electronics, and design a fast installation and maintenance programs.

eBOX-361X Series appearance fanless industrial computer-based industrialization considerations, box made of aluminum alloy extrusion profiles and steel structure, compact and robustness of both processor and chipset heat sources such as direct and rapid dissemination through a large area of the aluminum fins , fanless and totally enclosed structure effectively prevent dust entering the host to ensure long and reliable operation in the industrial field, the need for regular cleaning and maintenance.

eBOX-361X Series fanless computer design 9 ~ 30V wide voltage power input program, an increase of overcurrent, overvoltage, surge and reverse polarity protection measures to adapt to the requirements of complex industrial site; function with a wealth of I / O interfaces, two Gigabit Ethernet ports, six USB2.0 ports, four selectable RS232/485 serial ports, audio output and VGA display interface; For the convenience of users to achieve small data acquisition and control, integrated 16-channel digital inputs output, and an optional switch optically isolated input and relay output terminal board.

eBOX-361X Series fanless industrial computers are widely used in industrial automation and process control, intelligent power control, CNC equipment manufacturing, environmental monitoring, pharmaceutical equipment, food packaging machinery, machine vision inspection, monitoring of wind power, solar Puller, tire vulcanizing machine, etc. industrial field environments.

## Features and Benefits



Large area aluminum fins, maintenance-free design



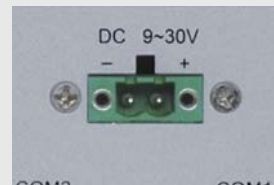
CPU and memory uses BGA surface mount technology, wide temperature, pressure and long life solid capacitors diskless installation of cable connections



No installation disk cable connection



8KV ESD protection, TVS 600W surge protection, 2500VDC isolation serial magnetic coupling



Phoenix terminal using fastening type power connector



Optional switch optically isolated input and relay output terminal board

## Product Specifications

### System parameters

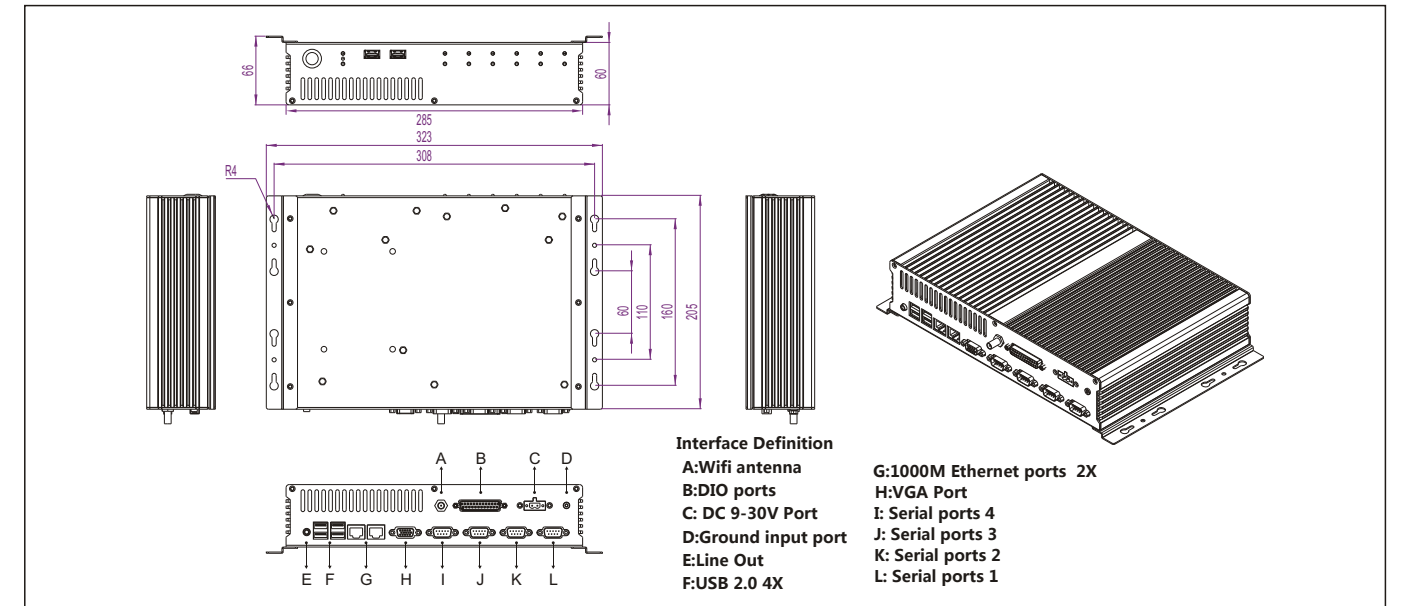
Processor	Onboard Intel Atom N2600 1.6GHZ (TDP3.5W) or N2800 1.86GHZ (TDP6.5W) dual-core processor, two cache 1M
Chipset	Intel NM10 ( TDP2.1W )
Memory	DDR3 2GB Onboard Memory
Disk	Support SATA 2.5 "SSD, HDD and CFASTA
Show	Intel GMA3650 512MB shared memory, VGA display interface
Network ports	2 INTEL 82583V 10/100/1000Mbps RJ45 ports, with lightning, surge and 15KV ESD protection
Wireless Network	A Mini-PCIe slot, scalable 3G, Wifi wireless card
Audio	Realtek ALC662 Audio Controller
USB	6×USB2.0 ports, with 8KV ESD protection
Serial ports	4 optional RS232/RS485 serial signal has 2.5KV magnetic coupling isolation, 600W surge protection RS232 support 5V/12V voltage selector, RS485 supports automatic data flow control.
GPIO	8-channel input, 8-channel output
Watchdog	0 ~ 255 seconds programmable settings

### Institutional parameters

Box structure	Aluminum box structure, with good shock resistance and impact resistance
Surface treatment	Hard anodic oxidation treatment sandblasting, anti-scratch
Installation	Support for desktop and wall-mounted
Switches and indicators	Power Switch/Power LED/HDD LED/ Network communication indicator / serial communication indicator
Cooling System	Large aluminum plate fin heat
Power Input	DC9~30V wide voltage work, with overcurrent, overvoltage and reverse polarity protection
Overall dimensions	285 × 205 × 60 mm (Width × Height × Depth)
Color	Gray iron oxide anodes
Total Weight	Weight:2.84 KG

### Environmental parameters

Operating Temperature	-20°C~+60°C(Electronic disk)
Storage Temperature	-40~+80°C
Relative Humidity	95% (Non-Condensing)
Vibration	50~500Hz,1.5G,0.19mm Peak
Impact	10G/eak( 11ms sec )



## Ordering Information

eBOX-3610 : N2600 1.6GHZ CPU/2GB Memory/2×GLAN/6×USB2.0/4×COM/VGA/Audio/GPIO

eBOX-3611 : N2800 1.86GHZ CPU/2GB Memory/2×GLAN/6×USB2.0/4×COM/VGA/Audio/GPIO

PAA060F : AC220V input, DC12V @ 5A output power adapter (optional)

DIO-S8R6A : 8-channel optically isolated digital inputs, 6-channel relay output terminal board (optional)

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TPC6000 6XXX系列  
2  
TPC6000 81X0系列  
3  
TPC6000 81X2系列  
4  
TPC6000 5082T  
5  
TPC6000 L122T  
6  
TPC6000 WP1702T  
7  
NODKA 360MB  
8  
eBOX 3510  
9  
eBOX 361X系列  
10  
eBOX 3622  
11  
eBOX 372X系列  
12  
PANEL5000 IPMRM系列  
13  
PANEL5000 WP1702T  
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AWS8000 150  
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