

TECHBOX X100 - Fanless embedded/box industrial computer

TECHBOX X100 is a line of fanless embedded/box industrial computers with low voltage 1.86GHz Intel Atom dual-core 4-thread processor and configurable number of serial ports.

TECHBOX X100 can operate as a platform for:

- process control
- system monitoring
- data logging

TECHBOX X100



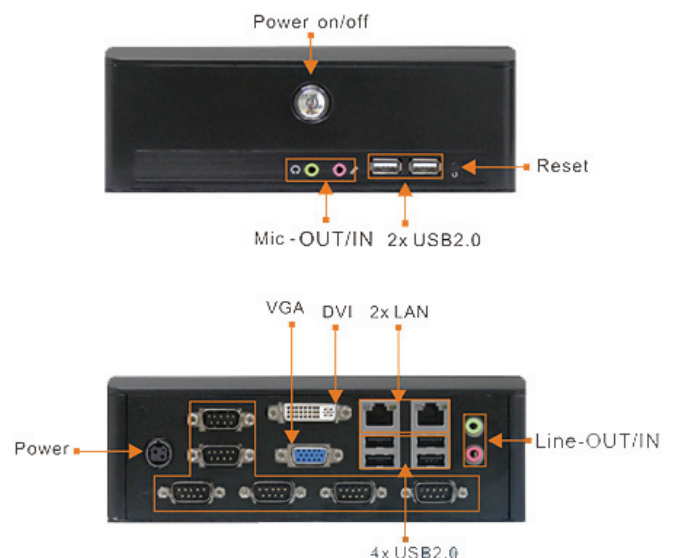
TECHBOX X100

Basic information

- Fanless design, high efficiency and low power consumption make **TECHBOX X100** a perfect device for projects where long trouble-free operation is essential.
- **TECHBOX X100** is widely used in automation systems (e.g. energy, water and sewage industry).
- **TECHBOX X100** is based on the energy-efficient Intel Atom D2550 1.86Ghz processor. This dual-core processor with four threads guarantees efficient operation of the unit at a minimum power consumption.
- One of the unique features of the device is the opportunity to choose a device with a sufficient amount of COM ports.
- In **TECHBOX X102** and **X106** there are respectively 2 and 6 serial ports. This provides a wide range of possible applications of the device in various projects according to client's individual needs.

Main features:

- Fanless design
- Intel Atom D2550 processor
- Possibility to choose the number of COM ports
- DIN rail mounting
- Appealing price



Specification

PLATFORM

CPU	Onboard Intel Atom D2550
Chipset	Intel NM10
Memory	1x single channel DDR3 SO-DIMM 800/1066 MHz slot, onboard RAM up to 4GB
HDD	2x SATA II
Cooling system	Passive cooling system, fanless design

LAN

2x Gigabit Ethernet (RJ45)

COM

TECHBOX X102	COM1: RS-232; COM2: RS-232 or RS-485
TECHBOX X106	COM1-6: RS-232; COM2: RS-232 or RS-485

USB

4x USB 2.0 (rear IO panel), 2x USB 2.0 (front IO panel)

INPUT/OUTPUT

VIDEO	1x DVI-D, 1x VGA, 1x LVDS
AUDIO	ALC887, 1x Line-OUT, 1x Mic-IN, 1x Line-IN (front IO panel), 1x Line-OUT, 1x Mic-IN (rear IO panel)
Antenna connector	1x SMA 3G or WiFi (optional)
GPIO	8 bit

POWER SUPPLY

DC +12V Power Adapter

CHASSIS

Dimensions	190 x 190 x 67 mm (WxDxH)
Structure	Aluminium Alloy enclosure
Color	Black

RELIABILITY

Instalation	montáž typu VESA
Operating Temp	0 ~ 60°C, relative humidity: 5 ~ 95% (non-condensing)
Storage Temp	-40 ~ 85°C, relative humidity: 5 ~ 95% (non-condensing)
Vibration resistance	0,5 Grms / 5~500Hz / random operating
EMC	CE