

Specification v1.1

Brief Introduction

TAICENN TBOX-4000 is **rugged & compact** high-performance fan-less industrial Box PC model, it adapts Intel Atom D2550 Dual-core Four threads CPU, having advanced computer performance and low power consumption. TBOX-4000 storage can support 1x mSATA SSD or HDD; The design has rich interface, with 2x GLAN ports (support **EtherCAT** feature); 4x USB 2.0 port; 2x RS232/RS485 ports; The power input is DC 12V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-4000 uses full-sealed box construction, and it can prevent dust from entering the device system. Large aluminum fin heat sink can distribute the heat effectively and quickly, ensures the longer reliability and life-span of the system. TAICENN TBOX-4000 operating temp. is **-20°C~+70°C**, can be suitable for longer-time operating and harsh environment industrial application projects. TBOX-4000 can be compatible with Win XP, Windows 7, Windows 7 Embedded, Windows 8, win 10, Linux operating system, and it is also compatible with application software based on those operating systems.

TAICENN TBOX-4000 supports VESA mounting and DIN Railway mounting, is very suitable for EtherCAT automation, machine vision and some complicated network applications and projects.



Technical Data

Product model	TBOX-4000
CPU	Intel Atom D2550
CPU Ghz	Dual-core Dual threads, 1.86Ghz
Memory	DDR3, Max. up to 4GB
Storage	1x MSATA
Network	2x Intel 82574L (Support EtherCAT)
USB	4x USB 2.0
Serial ports	2x RS232/RS485
Display	1x VGA
Expansion	WIFI/3G/4G
System	Win XP, WIN7, Win7 embedded, WIN 8, WIN10, Linux
Box Structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
Cooling System	Finned aluminum heatsinks
Color	Black
Indicator	Power Switch/ Power LED/ HDD LED
Mounting	Support Wall-mounted, Din Railway mounting
Voltage Input	DC 12 V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	<20W
Dimension	160 x 115 x 50 (mm)
Net weight	About 1.5 KG
Working temperature	-20°C~+70 °C
Wide temp. (Optional)	-40°C ~ +70°C
Storage temperature	-40°C~+80 °C
Relative humidity	10~95%@10°C (No condensation)
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak (11ms sec)

Ordering Information

Model no.	Ordering Part no.	Description
TBOX-4000	TBOX-4000-None	Standard TBOX-4000, without RAM and Storage disk.
TBOX-4000	TBOX-4000-2G-32GS	TBOX-4000 + 2GB RAM + 32GB SSD
TBOX-4000	TBOX-4000-4G-64GS	TBOX-4000 + 4GB RAM +64GB SSD

TAICENN Technology

*TAICENN, is a leading global **solution provider** of Embedded Box IPC, Touch panel IPC and industrial monitor, which are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, long supply period and supports.*

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