

IS-EBC3322 Series

Rugged X86 Box Type Embedded PC



The IS-EBC3322 Series Fanless Box PCs are the ideal hardware Platform for embedded and automation applications. Designed with an Intel® Atom™ Processor E3800 family, the new Bay Trail CPU offers the advantages of desktop performance with low power consumptions with a 12 VDC power input. The IS-EBC3322 Series have built-in USB slots, and are suitable for integrators who require software encryption. Featuring a rugged case designed to protect against electromagnetic interference, the IS-EBC3322 Series also include passive cooling design for quiet, Fanless operation that even lower the power consumptions.

Key features

- ▶ Intel® Atom™ Processor E3826 Dual Core @1.46GHz, 1MB Cache
- ▶ Support single channel DDR3L-1067MHz ECC SO-DIMM up to 8 GB
- ▶ 2 X GbE, 2 X USB 3.0, HDMI, 2 x optional RS-232 / RS-422 / RS-485 Serial ports
- ▶ Support 1 x GPIO
- ▶ Support Optional eMMC drive on-board
- ▶ Support 2.5" SATA HDD
- ▶ Support mini-PCIe, 1 (Half Size) shared with mSATA
- ▶ Support 12 VDC power input
- ▶ -40~85° Operating temperature.
- ▶ Fan Less, compact size design

Specification

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CPU	Intel® Atom™ Processor E3826 (1.46 GHz), Dual core
Memory	Single Channel DDR3L-1067 MHz ECC SO-DIMM up to 8 GB (204-pin)
Storages	Internal 2.5" HDD / SDD x1 / mSATA (optional), on-board eMMC(optional)
Operating System	Linux or Win7 / WES7 / Win 8 / Win 10 (Optional)

Communication ports

Gigabit Ethernet	2
Standard	IEEE 802.3, Auto-MDI/MDIX, Auto-crossover, Full/Half duplex

I/O Interface

USB 2.0	2
USB 3.0	2
Gigabit Ethernet port	2
HDMI	1
Audio Line-out	1
mini-PCIe	1 (Half Size) + 1 (Full Size) shared with mSATA

Power

Input voltage	12V DC
On/Off	Power On/Off switch button

Indicators

Power status indication	Power On Button status
Ethernet port indication	Link & speed

Environmental and Compliances

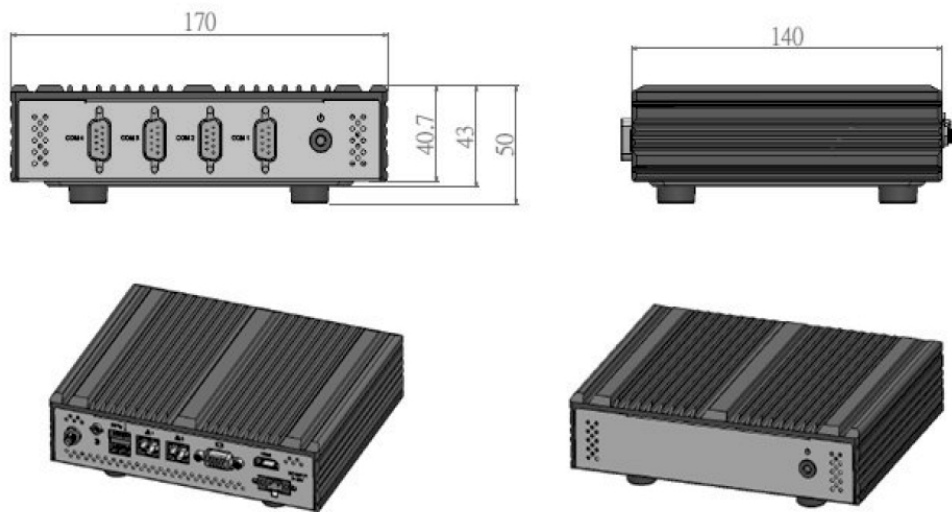
Operating Temperature	-40~85°C
Storage Temperature	-40~85°C
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32

Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 1)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>7 years

Mechanical

Protection	IP30
Dimension	140x170x50mm
Weight	920 g
Installation	Wall mount, VESA mount

Dimension Diagram



Ordering Information

Available Models	Description
IS-EBC3322B	Intel® Atom™ E3826 1.46GHz Dual core processor + Intel® HD Graphics, with DDR3L 1067MHz, ECC SO-DIMM 4GB, 1 x 32GB on-board eMMC drive, USB 3.0 x 2 / USB 2.0 x 2 / GbE x 2 / HDMI x 1, 12 VDC power input, 2 x optional RS-232 / RS-422 / RS-485 Serial ports, 1 x GPIO

Accessories

N/A