



Main Features

- ♦ Support Intel® Core™ i/Celeron® processors, LGA1511 socket, H110, TDP: 35W
- ♦ Support two DDR4 SO-DIMM socket, 32GB Max.
- ♦ Support multiple display from two HDMI
- ♦ I/O incl. GbE LAN x 2, COM x 2, USB 3.0 x 4 & USB 2.0
- ♦ DC input +12V
- ♦ Expansion : M. 2 (key M), mini-PCIe

Product Overview

IKS 614B is fanless box PC based on 6th/7th Intel® Core™ i/Celeron® processor (formerly codenamed “Skylake” and “Kabylake”) to support 35W CPU. IKS 614B operates temperature range from 0°C to 40°C. This fanless box is aimed at embedded applications for outdoor or semi-outdoor environment. Such as Kiosk, small smart equipment, outdoor systems installed in harsh environments, home automation and thin clients...etc.

IKS 614B supports a maximum memory of 32GB DDR4 SDRAM. Also, it offers display outputs of two HDMI with 4K/2K @30Hz, in order to provide the flexibility of supporting a range of peripherals and high resolution.

Specifications

CPU Support

- ♦ 6th and 7th Gen. Intel® Skylake & Kabylake Core™ processors
- ♦ Skylake support: Intel® Core™ i7-6700TE/i5-6500TE/i3-6100TE/Pentium G4400TE/Celeron® G3900TE, 35W TDP
- ♦ Kabylake support: core i7-7700T/i5-7500T/i3-7101TE/Celeron® G3930TE, 35W TDP

Display

- ♦ 2 x HDMI connector (resolution up to 2049x2160@60Hz)

Main Memory

- ♦ 2 x 260-Pin DDR4 SODIMM sockets support up to 32GB DDR4 2133 SDRAM, , non-ECC, un-buffered memory

Storage Device

- ♦ 2 x SATA 6.0Gb/s. (support RAID 0/1)
- ♦ 1 x M.2 M-key (2280)

Expansion

- ♦ 1 x mini-PCI express slot (full size, support PCIe/USB interface)

Power Requirements

- ♦ Single power input: 12V DC
- ♦ Optional 12V, 84W power adapter

Front I/O Interface

- ♦ ATX power on/off button
- ♦ 1 x USB 2.0

Rear I/O Interface

- ♦ 2 x GbE controller
- ♦ 4 x USB 3.0
- ♦ 2 x HDMI display output
- ♦ 2 x Serial ports
- ♦ 1 x MIC-in
- ♦ 1 x Line-out
- ♦ 1 x DC power jack

Mechanical & Environment

- ♦ Operating temperature : 0°C~40°C
- ♦ Storage temperature : -20°C~80°C
- ♦ Relative humidity : operating 10%~90%, non-condensing

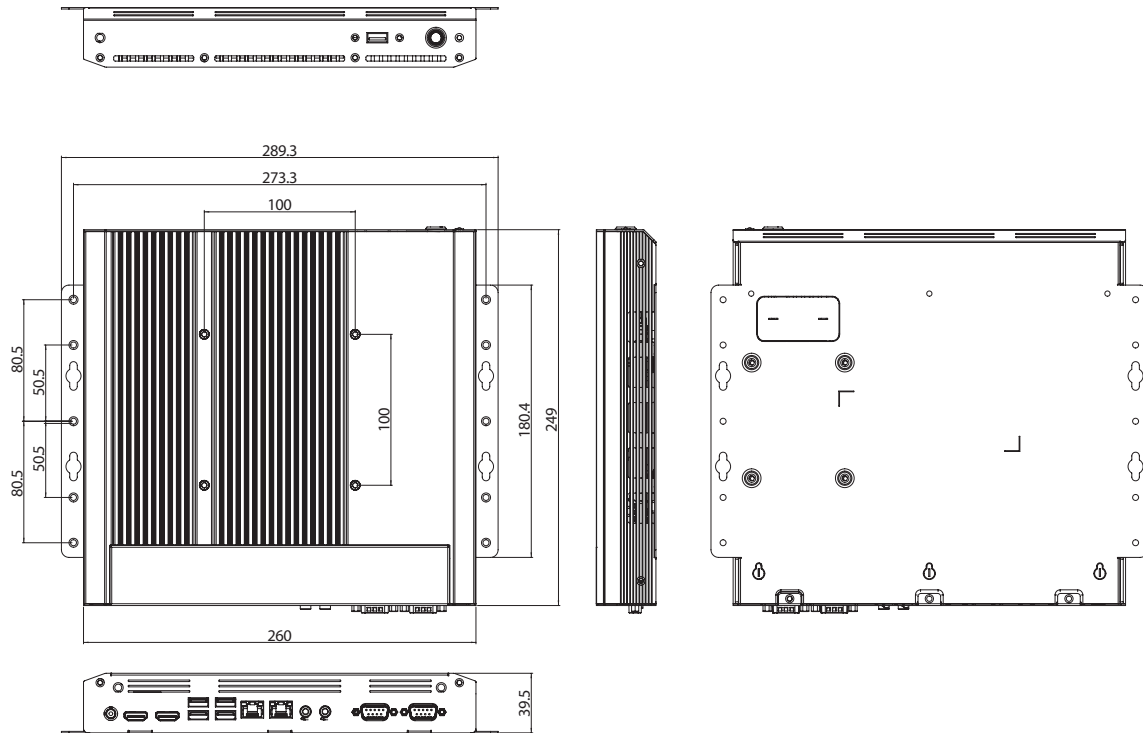
Dimension

- ♦ Display Head: 260 x 249 x 39.5 (W x D x H) (mm)
- ♦ Package size: TBD

Weight

- ♦ TBD

Dimension Drawing



Operating System

- Windows 10 64-bit
- Windows 8.1 64-bit
- Windows 7 32/64-bit
- Linux Fefora

Certificate

- EMC & Safety
- CE/FCC Class A

Ordering Information

Barebone

♦ IKS 614B (P/N: 10IK0061401X0)

6th Gen. Skylake Intel® Core™ I/Celeron® (35W), LGA1151, H110,
2 x DDR4, DP/HDMI, 4 x USB 3.0, 1 x USB 2.0, 2 x GbE, SATA, 2 x RS232,
2x mini-PCIe, 12VDC, 0~40°C

12V, 84W power adapter w/o power cord (P/N: TBD)