



Main Features

- Support Intel® Core™ i and Celeron® processors, LGA1511 socket, H110, TDP: 35W
- Support two DDR4 SO-DIMM socket, 32GB Max.
- Support multiple display from two HDMI
- I/O incl. 2 x GbE LAN, 2 x COM, 4 x USB 3.0 & 1 x USB 2.0
- DC input +12V
- Expansion: mSATA, half size mini-PCIe

Product Overview

IKS 614B is fanless box PC based on 6th/7th Intel® Core™ i and Celeron® processor (formerly codenamed “Skylake” and “Kabylake”) to support 35W CPU. Cancel IKS 614B operates temperature range from 0°C to 45°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 2560 x 1600@60Hz)

Main Memory

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

Storage Slot

- 1 x SATA 6Gb/s
- 1 x mSATA (SATA 6Gb/s)

Expansion

- 1 x mini-PCIe express slot (half 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~45°C (depends on CPU)
- Storage temperature: -20°C~80°C
- Relative humidity: operating 10%~90%, non-condensing

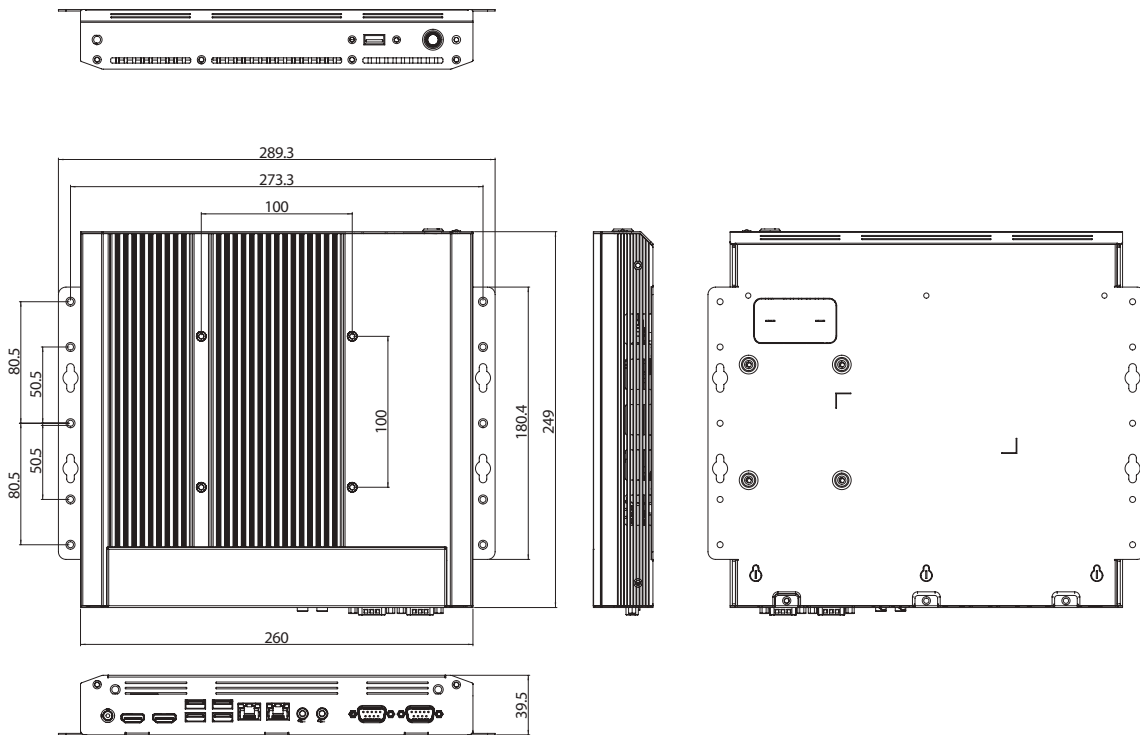
Dimension

- Display head: 289.3 x 260 x 39.5 (W x D x H) (mm)

Weight

- 2.8kg

Dimension Drawing



Operating System

- Windows 10 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, 2 x mini-PCIe, 12VDC, 0~45°C (support Intel® 7th LGA1151 35W CPU), 0~50°C (support Intel® 6th LGA1151 35W CPU)

♦ Options

12V, 84W power adapter w/o power cord (P/N: 7400084003X00)

Core i3-6100TE (4M Cache, 2.70 GHz), 2C/4T, 35W
(P/N: 711X02GTM3X00)

Core i5-6500TE (6M Cache, up to 3.30 GHz), 4C/4T, 35W
(P/N: 711X02GTM1X00)

Core i7-6700TE (8M Cache, up to 3.40 GHz), 4C/8T, 35W
(P/N: 711X02GTM2X00)

Core i3-7101TE (3M Cache, 3.40 GHz), 2C/4T, 35W
(P/N: 711Y03GTM3X00)

Core i5-7500T (6M Cache, up to 3.30 GHz), 4C/4T, 35W
(P/N: 711Y03GTM2X00)

Core i7-7700T (8M Cache, up to 3.80 GHz), 4C/8T, 35W
(P/N: 711Y03GTM1X00)