IKS 621A

Fanless Box PC
Intel® Braswell



Main Features

- On-board Intel® Celeron® N3060 processor
- Support one DDR3L SO-DOMM, up to 8GB
- Support multiple display from VGA and DVI-D
- DC input 12V
- Fanless design
- LAN x 2, USB 3.0 x 4, USB 2.0, COM x 5
- Expansion : F/S mini-PCIe, M.2 (M key)

Product Overview

IKS 621A is fanless box PC based on Intel® Celeron® N3060 SoC (formerly codenamed "Braswell"). IKS 621A operates from 0°C to 50°C with low power consumption. 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..

It is low profile designed in a compact chassis, 260mm (W) x 189mm (D) x 39.5mm (H), with smart airflow . IKS 621A supports a maximum memory of 8GB DDR3L SDRAM. Also, it offers display outputs of VGA and DVI-D. The flexibility of modularized selection meets different application in the field.

Specifications

CPU Support
- Intel® Celeron® N3060 processor, 2C/2T @ 2.48GHz CPU (Burst Mode), 320/600MHz GFX (turbo), ~6W TDP

Display
- 1 x DVI-D connector (resolution up to 1920x1200@60Hz)
- 1 x VGA connector (resolution up to 1920x1200@60Hz)

System
- 1 x DDR3L 1600 MHz SO-DIMM, max. 8GB, non-ECC, un-buffered memory
- 2 x Realtek PCIe Gb LAN 8111G GbE
- 5 x Serial ports (4 x RS232, 1 x RS232/485/422 by COM1)
- Support Realtek HD Audio (Line-out, Mic-in)

Storage device
- 1 x SATA 6.0Gb/s
- M.2 M-key (2242/2280) x 1, (default: 2280)

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

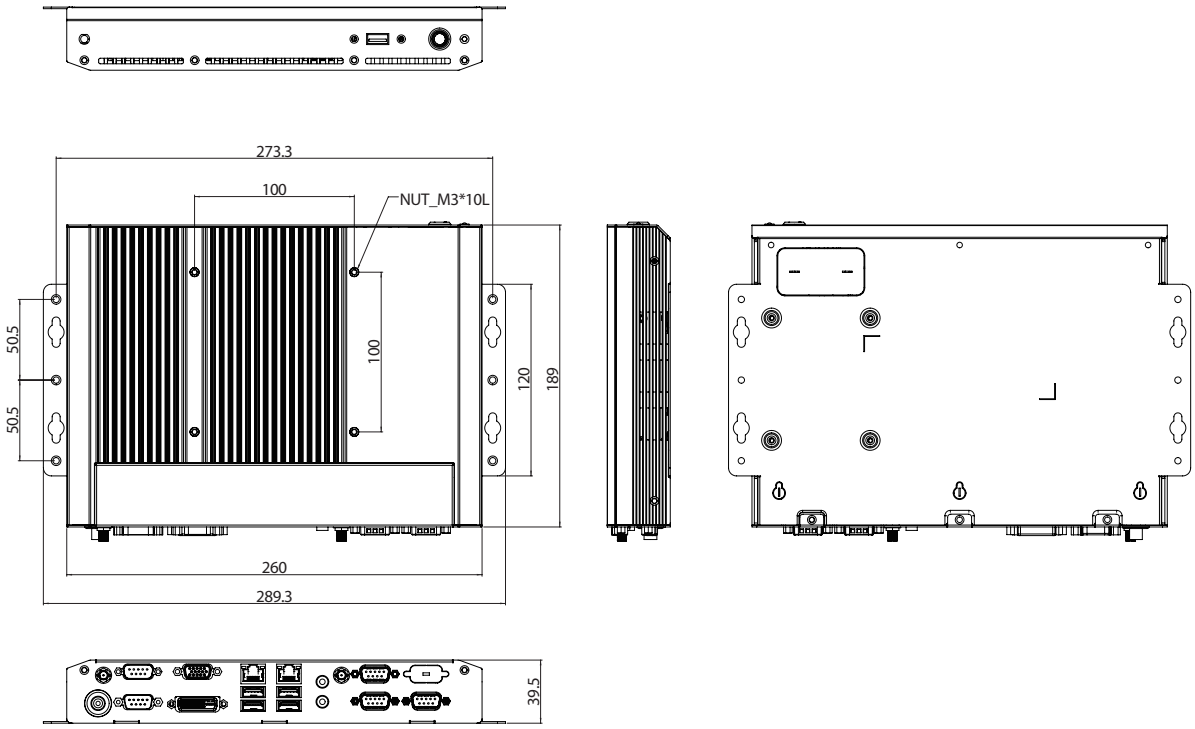
Power Requirements
- Single power 12V DC input

Front I/O
- ATX power on/off button
- 1 x USB 2.0

Rear I/O
- 2 x GbE controller
- 4 x USB 3.0
- 1 x DVI-D display output
- 1 x VGA display output
- 5 x Serial ports
- 1 x Dual stack HD Audio jack
- 1 x Lockable DC power jack

Mechanical & Environment
- Operating temperature : 0°C~50°C
- Storage temperature : -20°C~80°C
- Relative humidity : operating 10%~90%, non-condensing

Dimension Drawing



Dimension
- Display head: 260 x 189 x 39.5 (W x D x H) (mm)
- Package size: 364 x 288 x 170 (W x D x H) (mm)

Weight
- 3.5 kg

Operating System
- Windows 7 32/64-bit
- Windows 10 64-bit
- Linux Fefora

Certificate
- EMC & Safety
- CE/FCC Class A

Ordering Information

Barebone

- **IKS 621A-N3060 (P/N: 10IK0062100X0)**
  On-board Intel® Celeron® N3060 processor, w/VGA/DVI-D, 2 x Gigabit LAN, 4 x USB 3.0, 1 x USB 2.0, 5 x Serial port
  Include 12V, 60W power adapter w/o power cord (P/N: TBD)

We reserve the right to change specifications and product descriptions at any time without prior notice.