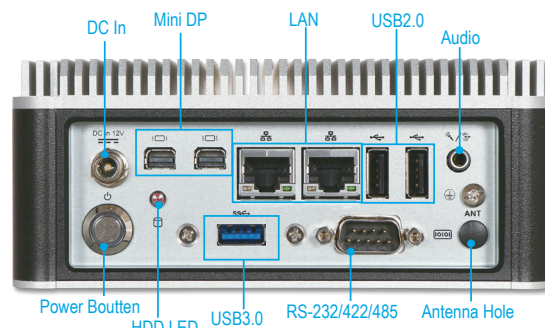
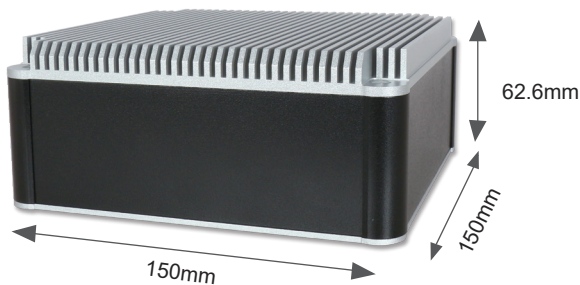




# WEBS-21A0

Embedded Compact Fan-less System with Intel® Broadwell-U Core™ i SoC based NANO-ITX Board



The WEBS-21A0 builds on Intel® Broadwell-U Core™ i SoC and takes advantages of Intel® Core™ mobile technologies. that can support superior Dual-Core processing power and capability. Support two Gigabit Ethernet ports and one Half-Size Mini PCIe. The WEBS-21A0 is an ideal platform which with high performance for fan-less applications in harsh environment, such as POS, kiosk, digital signage, transportation and automation.

## FEATURES

- Fan-less and cable-less & small and exquisite design
- Single 204-pin SODIMM supports DDR3L up to 8GB
- Intel® Broadwell-U Core™ i SoC based platform
- 1x 2.5" SATA HDD/SSD, 1x mSATA
- 1x Half-size Mini-PCIe socket (USB+PCIe x1 signal)
- 1x Antenna hole for WiFi, 3G or GPS module to use
- OP Vibration: 5Grms/10~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

## ORDERING GUIDE

|          |                                |
|----------|--------------------------------|
| AS5-3442 | (R).WEBS-21A0.NANO-ITX system. |
|----------|--------------------------------|

## System

|                    |  |
|--------------------|--|
| M/B                | NANO-6050  |
| System Chipset     | Intel® Broadwell-U Core™ i SoC   |
| CPU                | Intel® Core™ i5-5350U/ i3-5010U Processors up to 2.2G (15W) in FCBGA1168 package |
| BIOS               | AMI UEFI BIOS (SPI ROM)  |
| Memory             | Single 204-pin SODIMM sockets supports DDR3L 1333/1600 MT/s SDRAM up to 8GB      |
| Storage            | 1x 2.5" SATA HDD/SSD, 1x mSATA   |
| Watchdog Timer     | Programmable via S/W from 1 sec. to 255 sec.                                     |
| H/W Status Monitor | Temperature (CPU & System)<br>Voltage (CPU Vcore, 12V, 5V, 3.3V, RAM)            |
| Expansion          | 1x Half-size Mini-PCIe socket  |

## External I/O

|             |   |
|-------------|---|
| Serial Port | 1x RS-232/422/485 (Selected by BIOS)                      |
| Display     | 2x Mini DP  |
| USB         | 1x USB3.0, 2x USB2.0 (Optional kit: additional 2x USB3.0) |
| Audio       | Audio Combo Jack Line-out /Mic-In (ALC892)                |
| Ethernet    | 2x Gigabit Ethernet (Intel® I218AT)                       |
| Other       | 1x Antenna hole for WiFi, 3G or GPS module                |

## Power Supply Unit

|             |        |
|-------------|--------|
| Power Input | DC 12V |
|-------------|--------|

## Environmental

|                       |                               |
|-----------------------|-------------------------------|
| Operation Temperature | 0°C ~ 50°C                    |
| Storage Temperature   | -20°C ~ 85°C                  |
| Relative Humidity     | 95%@40°C, non-condensing      |
| Operation Vibration   | 5Grms/10-500Hz, IEC 60068-2-6 |
| Operation Shock       | 50G, 11 msec, IEC 60068-2-27  |

## Mechanical

|           |   |
|-----------|---|
| Dimension | 150(W) x 150(D) x 62.6(H) mm; 5.9"(W) x 2.5"(D) x 2.1"(H) |
| Weight    | 2 Kg  |
| Mounting  | Wall, Panel, and DIN Rail mounting                        |

