

# WEBS-21D0



The WEBS-21D0 builds on Intel® Apollo Lake SoC and takes advantage of Intel Atom® Dual/Quad-Core™ E3900 Series processor technologies, especially its vastly superior Quad-Core™ processing power and capability. The cost-effective CPU with high performance and low power consumption is of great use to build up a compact system, WEBS-21D0. It supports a wide temperature from -25°C to 60°C for fan-less applications in harsh environment, such as POS, kiosk, digital signage, transportation and automation.

## FEATURES

- Small and Exquisite fan-less design
- One 204-pin SO-DIMM supports DDR3L up to 8GB
- Intel® Apollo Lake SoC Platform
- 1x 2.5" SATA HDD/SSD, 1x mSATA, 1x Micro SD
- 1x M.2 socket (type E)
- 1x Antenna hole for wireless module support
- OP Vibration: 5Grms/10~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

### System

|                       |  |
|-----------------------|--|
| M/B (Board Dimension) | NANO-6062  |
| System Chipset        | Intel® Apollo Lake SoC   |
| CPU                   | Intel® Atom® Dual/Quad Core E3900 series Processor (up to 12W) with 2MB Cache    |
| BIOS                  | AMI uEFI BIOS  |
| Memory                | One DDR3L 1866/1600 SO-DIMM up to 8GB  |
| Storage               | 1x 2.5" SATA HDD/SSD, 1x mSATA, 1x Micro SD                                      |
| Watchdog Timer        | Programmable by embedded controller  |
| Expansion             | - One M.2 socket (Type E)<br>- One full size Mini-PCIe socket (colay with mSATA) |

### External I/O

|             |  |
|-------------|--|
| Serial Port | 1x RS-232/422/485 (selectable by BIOS) |
| Display     | 1x VGA, 1x DP                          |
| USB         | 2x USB 3.0                             |
| Audio       | Line-out (ALC892)                      |
| Ethernet    | 2x Gigabit Ethernet (Intel® I210IT)    |
| Other       | 1x Antenna hole for wireless module    |

### Power Supply Unit

|             |           |
|-------------|-----------|
| Power Input | DC 12~24V |
|-------------|-----------|

### Environmental

|                       |                               |
|-----------------------|-------------------------------|
| Operation Temperature | -20°C~60°C                    |
| Storage Temperature   | -40°C~85°C                    |
| Relative Humidity     | 95%@40°C, non-condensing      |
| Operation Vibration   | 5Grms/10~500Hz, IEC 60068-2-6 |
| Operation Shock       | 50G, 11msec, IEC 60068-2-27   |

### Mechanical

|           |   |
|-----------|---|
| Dimension | 150 (W) x 150 (W) x 60 (H) mm           |
| Weight    | 1.3Kg                                   |
| Mounting  | Wall, Panel/VESA® and DIN RAIL mounting |

