WEBS-21D0

Embedded Compact Fan-less System with Intel® Atom® E3900 Series based NANO-ITX Board

intel inside

NEW

66mm

150mm

150mm

Audio | USB3.0 | LAN | DP | Power Button | DC In

RS-232/422/485 | VGA | Antenna Hole
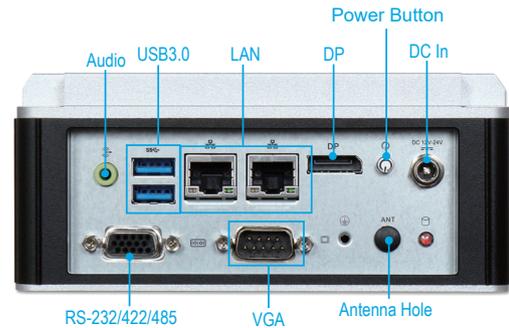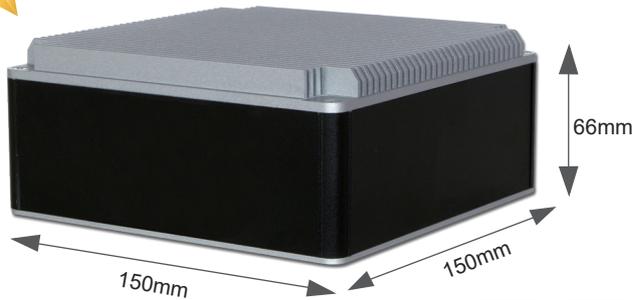
DIN-Rail Mounting Bracket (optional)

| Rugged | Fanless | COM | GbE | USB 3.0 | Audio | 2.5"HDD | Dual Display | M2 | Mini-PCIe |
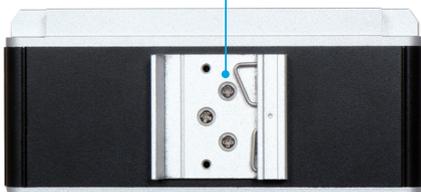
The WEBS-21D0 takes advantage of Intel® Atom® E3900 series processor technologies, especially its vastly superior Quad-Core™ processing power and capability. The low power, cost-effective processor with high perfromance is of great use to build up a compact system, WEBS-21D0, which supports wide operating temperature from -25°C to 60°C for fan-less applications in harsh environment, such as kiosk, digital signage, transportation and factory automation.

FEATURES

■ Powered by Intel® Atom® Apollo Lake Dual/Quad-core™ E3900 Series SoC

■ Support 1x 2.5" HDD/SSD, 1x mSATA, 1x Micro SD

■ Dual Display by VGA, DP

■ 1x M.2 and 1x Full-size Mini-PCIe socket (co-lay with mSATA)

■ Support Wall mount, Panel/VESA mount and DIN Rail mount

■ Wide Operating Temperature support (-20~60°C) with Fan-less design

■ Wide Range DC 12V ~ 24V power input

ORDERING GUIDE

| AS5-3512 | (R). ATO. WEBS-21D0. NANO-ITX system. |

System

M/B	NANO-6062
System Chipset	Intel® Apollo Lake SoC
CPU	- Intel® Atom® x7-E3950, 1.6GHz, 2M L2 Cache, up to 2.0GHz, 12W TDP (4C/4T) - Intel® Atom® x5-E3940, 1.6GHz, 2M L2 Cache, up to 1.8GHz, 9.5W TDP (4C/4T)
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	Single 204-pin SODIMM sockets supports DDR3L 1866/1600 MT/s SDRAM up
Storage	1x 2.5" SATA HDD/SSD, 1x mSATA, 1x SD card
Watchdog Timer	Programmable by embedded controller
H/W Status Monitor	- Temperature (CPU & System) - Voltage (CPU Vcore,12V, 5V, 3.3V, 1.35V)
Expansion	- One M.2 socket (Type E) - One full size Mini-PCIe socket (colay with mSATA)

External I/O

Serial Port	1x RS-232/422/485 (Selected by BIOS)
Display	1x VGA, 1x DP
USB	2x USB3.0
Audio	1x Line-out (ALC892)
Ethernet	2x Gigabit Ethernet (Intel® I210IT)
Other	- TPM 2.0 on board - 1x Antenna hole for wireless solution

Power Supply Unit

Power Input	DC 12V~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 x 150 x 66mm
Weight	2 Kg
Mounting	Wall, DIN-rail mounting