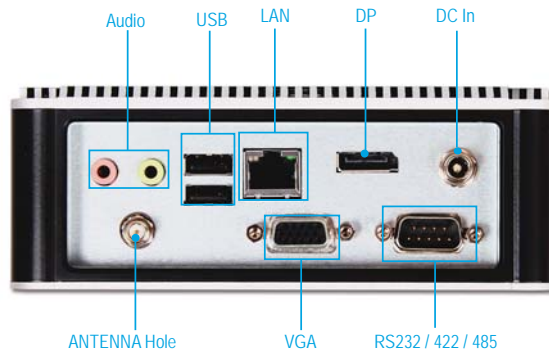


WEBS-2170

Embedded rugged fan-less system with Intel®
ATOM D2550 based NANO-ITX board



WEBS-2170 adopts latest Intel® Atom™ D2550/CPU and NM10 chipset which is for the low power compact size system. The new architecture integrates the 3D graphics engine and memory controller. It's suitable for Kiosk, DS and Networking applications.

FEATURES

- Fan-less solution with Dual-Core CPU
- Intel® Atom™ D2550 1.86GHz processor based on Intel® NM10 platform
- One Mini-PCIExpress expansion (With USB + PCIE x1 single)
- 1 x SATA HDD/SSD , CF-SATA
- Fanless & Cable less design
- Single DC 12V Power Input for easy system integration
- 1x Antenna hole for WIFI or 3G/GPS module to use
- OP Vibration: 5Grms/5~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

ORDERING GUIDE

AS5-3363	(R).ATO.WEBS-2170.NANO-ITX System.
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System

M/B	NANO-5050
System Chipset	Intel® NM10 Express chipset
CPU	Intel® Atom™ Processor D2550, 1.86GHz, 1M L2 cache, 32nm, TDP 10W(2C/4T)
FSB	667/800/1066 MHz
BIOS	Phoenix uFEI BIOS (SPI ROM)
System Memory	one 204-pin SODIMM socket support DDR3 800/1066 up to 4GB
Storage	1x SATA HDD/SSD , 1x CF-SATA
Watchdog Timer	Programmable via S/W from 1 sec. to 255 sec.
H/W Status Monitor	Temperature (CPU & System) Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)

External I/O

Serial Port	1 x RS-232/422/485 (Selected by jumper setting)
Display	1x VGA + 1x DP
USB	2x USB 2.0 (Customizes can be expanded to 6 x USB 2.0)
Audio Interface	Line-out/Mic-in (ALC886)
Ethernet	1x Gigabit Ethernet (Intel 82583V)
Other	1x Antenna hole for WiFi/3G module

Power Supply Unit

Power Input	DC 12V (DC 9-29V Wire type by customized request)
Adaptor	AC 100~240V

Environmental

Operation Temperature	-5°C to 45 °C
Storage Temperature	-20°C to 80°C
Relative Humidity	95% @ 40°C, non-condensing
Operation Vibration	5Grms / 5-500Hz, IEC 60068-2-27
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	150 x 150 x 53mm; 5.9" x 5.9" x 2.1"
Weight	1.1kg
Mounting	Desk , Wall/Panel-mounting