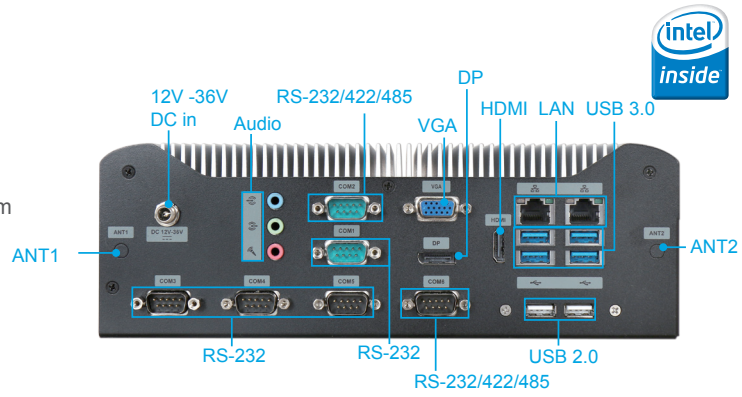
WEBS-3581

Embedded Rugged Fan-less System with Intel® Celeron and Core™ i3/i5/i7 based Mini-ITX Board



Intel® Q87 | Core™ i3/i5/i7 | iAMT | Rugged | Fanless | Raid Function | HDMI | VGA | COM | GbE | USB 2.0/3.0 | Mini-PCIe

The WEBS-3581 builds on Intel® desktop Q87 chipset and takes advantages of Intel® Core™ i3/i5/i7 desktop processor technologies that can support dual channel DDR3 memory. Support two Gigabit Ethernet ports and one Mini-PCIe socket. The WEBS-3581 is an ideal platform with rich I/O and high resolution for POS, kiosk, digital signage, and surveillance security monitoring applications.

FEATURES

- 4th generation Intel® Celeron & Core™ i3/i5/i7 Desktop processor (Quad-Core CPU supported)
- Intel® Q87 Chipset
- Intel® Core™ i High performance fan-less embedded Box PC
- Dual Long-DIMM DDR3 up to 16GB
- 2x 2.5" SATA HDD/SSD, 1x SATA DOM
- 1x Full-size Mini-PCIe socket
- 2x RS-232/422/485, 4x RS-232, 4x USB 3.0, 2x USB 2.0, 2x Gigabit Ethernet port
- Rich I/O is good for versatile applications
- Triple Display by VGA/HDMI/DP
- 2x Antenna hole for WiFi or 3G/GPS module to use
- Rugged design is good for using in harsh environment
- OP Vibration: 5Grms/10~500Hz
- OP Shock: 50G, 11msec

ORDERING GUIDE

AS5-3400	(R).ATO.WEBS-3581.Mini-ITX System
AS5-3437	(R).ATO.WEBS-3581-TBC.WADE-8015. Mini-ITX System.

System

M/B	WADE-8015
System Chipset	Intel® DH82Q87
CPU	- Intel® Core™ i7-4770TE, 2.3GHz, 8M L2 Cache, up to 3.30 GHz, 45W TDP (4C/8T) - Intel® Core™ i5-4570TE, 2.7GHz, 4M L2 Cache, up to 3.30 GHz, 35W TDP (2C/4T) - Intel® Core™ i3-4330TE, 2.4GHz, 4M L2 Cache, 35W TDP (2C/4T) - Intel® Pentium® G3320TE, 2.3 GHz,3M L2 Cache, 35W TDP (2C/2T) - Intel® Celeron® G1820TE, 2.2GHz, 2M L2 Cache, 35W TDP (2C/2T)
BIOS	Phoenix uEFI BIOS (SPI ROM)
System Memory	Dual 240-pin Long-DIMM socket supports DDR3 1333/1600 up to 16GB
Storage	2x 2.5" SATA HDD/SSD ,1x SATA DOM
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)
Expansion	1x Full-size Mini-PCIe socket

External I/O

Serial Port	6x COM port (2x RS-232/422/485 selectable by BIOS, 4x RS-232)
Display	1x VGA, 1x DP+, 1x HDMI
USB	4x USB 3.0, 2x USB 2.0
Audio	Line-in/Line-out/Mic-in (ALC886)
Ethernet	2x Gigabit Ethernet (Intel® WGI217LM + WGI210AT)
GPIO	1x Programmable 8-bit Digital I/O
Other	- 2x Antenna hole for WiFi or 3G/GPS module - 1x EXT Power Switch

Power Supply Unit

Power Input	DC 12V ~ 36V

Environmental

Operation Temperature	-20°C ~ 50°C
Storage Temperature	-40°C ~ 80°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	253(W) x 191(D) x 85(H) mm; 10"(W) x 7.4"(D) x 3.3"(H)
Weight	4.6 kg
Mounting	Wall mounting