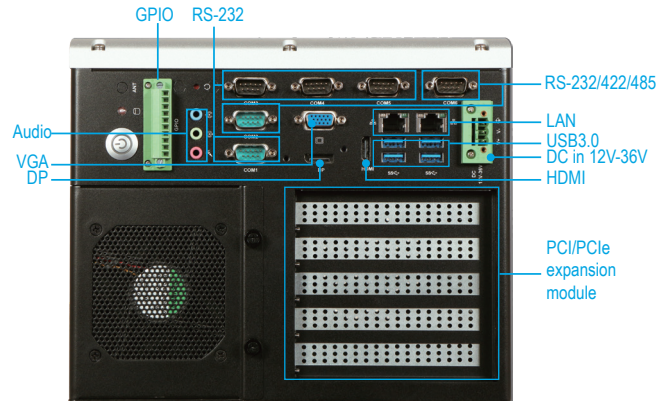


WEBS-35C6

Embedded Rugged Fan-less System with Intel® 6th Skylake-S Core™ i3/i5/i7 based Mini-ITX Board



The WEBS-35C6 builds on Intel® desktop Q170 chipset and takes advantages of Intel® Core™ i3/i5/i7 desktop processor technologies that can support dual DDR4 memory. Support two Gigabit Ethernet ports, different add-on card expansion options, one M.2 socket and one Mini-PCIe socket. The WEBS-35C6 is an ideal platform with rich I/O and high resolution for POS, kiosk, digital signage, and surveillance security monitoring applications.

FEATURES

- Intel® Core™ i High performance Fan-less Embedded Box PC
- 6th generation Intel® Skylake-S Core™ i3/i5/i7 Desktop processor (Quad-Core CPU supported)
- Dual UB-DIMM DDR4 up to 32GB
- 2x 2.5" SATA HDD/SSD, 1x mSATA
- Rich I/O is good for versatile applications
- 1x M.2 socket, 1x Full-size Mini-PCIe socket
- Different add-on card expansion options
- Innovative PCI/PCIe expansion module is easy for add-on cards installation and replacement
- Rugged design is good for using in harsh environment

ORDERING GUIDE

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|----------|---|
| AS5-3522 | (R).ATO. WEBS-35C6. Embedded rugged fan-less system with Intel Skylake-S Core i3/i5/i7 based MINI-ITX system. |
|----------|---|

System

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|--------------------|--|
| M/B | WADE-8017 |
| System Chipset | Intel® Q170 |
| CPU | - Intel® Core™ i7-6700TE, 2.4GHz, 8M L2 Cache, up to 3.40 GHz, 35W TDP (4C/8T) - Intel® Core™ i5-6500TE, 2.3GHz, 6M L2 Cache, up to 3.30 GHz, 35W TDP (4C/4T) - Intel® Core™ i3-6100TE, 2.7GHz, 4M L2 Cache, 35W TDP (2C/4T) - Intel® Pentium® G4400TE, 2.9GHz, 3M L2 Cache, 35W TDP (2C/2T) - Intel® Celeron® G3900TE, 2.3GHz, 2M L2 Cache, 35W TDP (2C/2T) |
| BIOS | AMI UEFI BIOS |
| Memory | Dual 260-pin UB-DIMM socket supports DDR4 2133/1866 Non-ECC up to 32GB |
| Storage | 2x 2.5" SATA HDD/SSD, 1x mSATA (via mini-PCIe socket) |
| Watchdog Timer | Programmable via S/W from 1 sec. to 255 sec |
| H/W Status Monitor | - Temperature (CPU & System) - Voltage (CPU Vcore, 12V, 5V, 3.3V, 1.35V) |
| Expansion | - 1x M.2 socket (Type E) with PCIe x1, USB2.0, SDIO, UART, or I2C signal - 1x Full-size Mini-PCIe socket (can switch to mSATA) - 1x PCIe x8 slot (PCIe x8 Signal) - 2x PCIe x4 slot (PCIe x4 Signal) - 2x PCIe x4 slot (PCIe x1 Signal) |

External I/O

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|-------------|---|
| 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 USB3.0 |
| Audio | Line-in/Line-out/Mic-in(ALC892) |
| Ethernet | 2x Gigabit Ethernet (Intel® I219LM and Intel® I210AT) |
| GPIO | 1x Programmable 8-bit Digital I/O |
| Other | 1x Antenna hole for WiFi, 3G/GPS or 4G LTE module |

Power Supply Unit

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|-------------|--|
| Power Input | DC 12V ~ 36V with 3-pin Terminal block Connector |
|-------------|--|

Environmental

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|-----------------------|--------------------------------|
| 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 60068-2-06 |
| Operation Shock | 50G, 11 msec, IEC 60068-2-27 |

Mechanical

| | |
|-----------|-----------------------|
| Dimension | 253mm x 255mm x 210mm |
| Weight | 9 Kg |
| Mounting | Wall mounting |

