MEDS-35C3

Embedded rugged fan-less system with Intel® 6th Skylake-S Core™ i3/i5/i7 based Mini-ITX board

MEDS-35C3 serves performance and graphic demanding application with Intel® 6th Gen processor with integrated Gen 9 graphic. This platform natively supports rich I/O and innovative PCIe expansion modularization design, making MEDS-35C3 not only competitive but outstanding in the market.

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

AS5-3463	(R).ATO.WEBS-35C3.(x16 type).Embedded rugged fan-less system with Intel Skylake-S Core i3/i5/i7 based MINI-ITX system.
AS5-3463	(R).ATO.WEBS-35C3. (x4 type)Embedded rugged fan-less system with Intel Skylake-S Core i3/i5/i7 based MINI-ITX system.

System

M/B (Board Dimension)	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, 4M 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 uFEI BIOS (SPI ROM)
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 by embedded controller
H/W Status Monitor	- Temperature (CPU & System) - Speed (CPU Fan & System Fan) - Voltage (CPU Vcore, 12V, 5V, 3.3V, VDIMM)
Expansion	- 1x M.2 socket (Type E) with PCIex1,USB2.0,SDIO, UART, or I2C signal - 1x Full-size Mini-PCIe socket (can switch to mSATA) - Expansion slot option: 2x PCIe x16 slot (PCIe x8 Signal) 2x PCIe x4 slot (PCIe x1 Signal) 1x PCIe x4 slot (PCIe x1 Signal) + 1x PCI slot

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 USB3.0, 2x USB2.0
Audio	Line-in/Line-out/Mic-in(ALC892)
Ethernet	2x Gigabit Ethernet (Intel® I219LM and Intel® I211AT)
GPIO	1x Programmable 8-bit Digital I/O
Other	- 2x Antenna hole for WiFi, 3G/GPS or 4G LTE module - 1x EXT Power Switch

Power Supply Unit

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

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

Mechanical

Dimension	253(W) x 201(D) x 123(H) mm
Weight	7kg
Mounting	Wall mounting