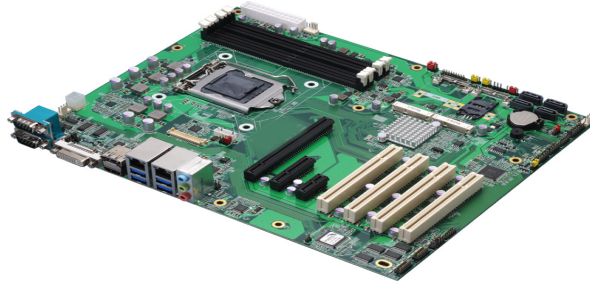


TR-C236



TR-C236 is the classic ATX motherboard with the high-longevity Intel C236 chipset. This chipset supports Intel Skylake/Kabylake 6th/7th Gen Core processors and Xeon E3-1200 v5/v6 processor in FCLGA1151 socket. It is the first mainstream motherboard to support DDR4 memory (4 DDR4 LO-DIMM 1866/2133 MHz up to 64GB).

The TR-C236 motherboard is based on Intel HD530 graphics. The revised video engine decodes H.265/HEVC in hardware, more efficiently than ever before. Up to 3 video displays can be used simultaneously. Also, high speed data transfers with 6 USB 3.0 ports.

This is a good platform for Windows 10 O/S. Also compatible with QNX Version 6.4.1 O/S. TR-C236 motherboard is readily available from stock. Warranty when supplied in Transduction 4U chassis is 3 years.

Features

- CPU: Skylake / Kabylake Intel® 6th / 7th Gen Core™ S-series and Xeon® E3-1200 v5 / v6 Desktop Processor in the FCLGA1151 socket.
- Memory: Four DDR4 1866 / 2133 MHz LO-DIMM up to 64 GB, Support Non-ECC, unbuffered memory only. (Xeon® E3-1200 v5 / v6 Product support ECC memory)
- Chipset: Intel® C236 chipset.
- Integrated Graphics: Intel® 9th Gen integrated HD Graphics. (Some Xeon® E3-1200 v5 / v6 Product CPU not support)
- DVI interface: Onboard DVI-I connector.
- Display port interface: Onboard Display port connector.
- CRT interface: 16-pin connector.
- LAN Interface: 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN.
- Serial ATA: Support 4 x SATA3.
- Audio: Realtek ALC262 High Definition Audio.
- Internal I/O: 4 x SATA3, 4 x RS232, 4 x USB2.0, 2 x USB3.0, 1 x LVDS, 1 x LPC, 1 x LCD inverter, 1 x GPIO, 1 x Audio, 1 x PS/2, 1 x SMBUS, 1 x CRT.
- Rear I/O: 1 x DisplayPort(optional), 1 x DVI-I, 1 x HDMI, 4 x USB3.0, 2 x LAN, 1 x RS232, 1 x RS232/422/485, 1 x Audio.
- Extended interface: One PCIE X 16 slot, One PCIE X 4 slot, One PCIE X 1 slot, Two PCIE Mini cards (Optional support mSATA for Mini_Card1 and Mini_card2), one SIM socket.
- GPIO interface: Onboard programmable 8-bit Digital I/O interface. Power requirement: Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V.
- Power requirement: Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V.

TR-C236

Specifications

Form Factor

- ATX Industrial Motherboard

Processor

- Skylake / Kabylake 6 th / 7th Gen Core™ S-series and Xeon® E3-1200 v5 / v6 Desktop Processor. Package Type: FCLGA1151

Chipset

- Intel® C236 PCH-H

Memory

- 4 x 288-pin DDR4 1866/2133 MHz LO-DIMM up to 64GB (Unbuffered, none-ECC memory supported only, Xeon® E3-1200 v5 / v6 Product support ECC memory)

Integrated Graphics

- Intel® 9th Gen integrated HD Graphics.

Real Time Clock

- Chipset integrated RTC with onboard lithium battery

Watchdog Timer

- Generates a system reset with internal timer for 1min/s ~ 255min/s

Serial ATA Interface

- Intel® C236 PCH-H built-in 4 x Serial ATA3 interface up to 600MB/s. RAID 0, 1, 5, 10 and Intel Rapid Storage Technology.

CRT Interface

- Onboard 16-pin CRT interface

DVI Interface

- Onboard DVI connector

Audio Interface: Realtek ALC262 HD Audio

LAN Interface

- 1 x Intel® Gigabit Ethernet PHY Controller, 1 x Intel® Gigabit Ethernet Controller

GPIO Interface

- Onboard programmable 8-bit digital I/O interface

Extended Interface

- 1 x PCIE X 16 slot, 1 x PCIE X 4 slot, 1 x PCIE X 1 slot, 4 x PCI slot, 2 x PCIE Mini card, one SIM socket. (Optional support mSATA for Mini_Card1 and Mini_Card2)

Internal I/O Port

- 4 x SATA3, 4 x RS232, 4 x USB2.0, 2 x USB3.0, 1 x LVDS, 1 x LPC, 1 x LCD inverter, 1 x GPIO, 1 x Audio (MIC-in & Line-out), 1 x PS/2 (Keyboard & Mouse), 1 x SMBUS, 1 x CRT

Rear I/O Port

- 1 x DisplayPort (optional), 1 x DVI-I, 1 x HDMI, 4 x USB3.0, 2 x LAN, 1 x RS232, 1 x RS232/422/485, 1 x Line-in, 1 x Line-out, 1 x MIC-in

Power Requirement

- Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V

Board Dimension: 307 mm x 244 mm (L x W)

Temperature:

- Operating within 0 ~ 60°C (32°F ~ 140°F)
- Storage within -20 ~ 80°C (-4°F ~ 176°F)

Relative Humidity:

- 10%~90%, non-condensing

Warranty: 3 years