



## RUGGCORE™ REC5415

### Fanless Embedded Controller

Ruggcore is a new series of Litemax ruggedized industrial solution, which provides extreme reliable functions, scalable processing efficiency, stackable chassis extension, rich I/O features and flexible industrial design. Ruggcore fanless embedded computer supports Intel Core 2 Duo/Celeron M processor with 533/667MHz FSB, DDRII 667/533 up to 2GB. In addition, the housing of Ruggcore series takes aluminum chassis to construct a strong mechanical structure for any harsh industrial applications.

#### Main Features

- Fanless Design
- Intel Core 2 Duo and Celeron M Processor
- Memory DDR II up to 2GB
- Wide Range DC Input (9V ~ 36V)
- Stackable Chassis Upgrade Design with Easy Expansion Solution Kit
- Rich Display Solution- HDMI, DVI, VGA or LVDS (24 bits)
- Two LAN Ports ( GbEx1, 10/100Base-TX x1 )
- I/O Ports (RS232 x1, RS232/422/485 x1, USB x4, Audio Line-out and MIC)
- Compact Flash, Mini PCI

#### Application:

- Industrial Automation
- Transportation
- Facility Monitoring
- Digital Signage
- Marine

*Specifications are subject to change without notice.  
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## Specifications

### System

#### Processor

- Intel™ Core 2 Duo/ Celeron® M

#### Chip Set

- Intel945GME + ICH-7M

#### System Memory

- DDRII SODIMM x1, Max. 2GB (DDRII 400/533/667)

#### Ethernet

- Intel EP82562ET, 10/100 Base-TX
- Intel 82573 GbE (Gigabit Ethernet)

#### Storage

- Compact Flash x1

#### Audio

- ALC655, Line-Out, MIC

#### I/O Interface- Front

- PWR/HDD LED, DC-In, Power on SW, PSII KB/MS, RJ45x2, USB x4, COMx2 (RS232 x1, RS232/422/485x1)

#### I/O Interface- Rear

- Audio Phone Jack ( Line-out, MIC-in)
- DVI or HDMI, LVDS Connector, CF Slot

#### BIOS

- Award

#### Wake On LAN

- Yes

#### Watchdog Timer

- Generates a time-out system reset

#### H/W Status Monitor

- Supports power supply voltages, fan speed and temperature monitoring

#### Extension Interface

- Mini PCI (internal)
- Mini PCI-E (internal)

#### Power Supply

- DC Input: Internal DC-DC Converter
- Input voltage: 9V DC ~ 36V DC

### Display

- Supports CRT/LCD, Dual Simultaneous/ Dual Independent Display

#### Chip Set

- Intel 945GME Integrated

#### Memory

- Shared system memory up to 224MB

#### Resolutions

- Up to 2048 x 1536 (QXGA) for CRT
- Up to 1600 x 1200 (UXGA) for LCD

### Mechanical

#### Construction

- Rugged Aluminum Alloy Chassis

#### Mounting

- Wallmount, Desktop, DIN Rail

#### Dimension

- 270mm (W) x 61mm(H) x 184mm(D)

#### Net Weight

- 4.5kg

### Environmental

#### Operating Temperature

- -15°C~55°C (5°F~131°F)-CFD

#### Storage Temperature

- -20°C~70°C (-4°F~158°F)

#### Operating Humidity

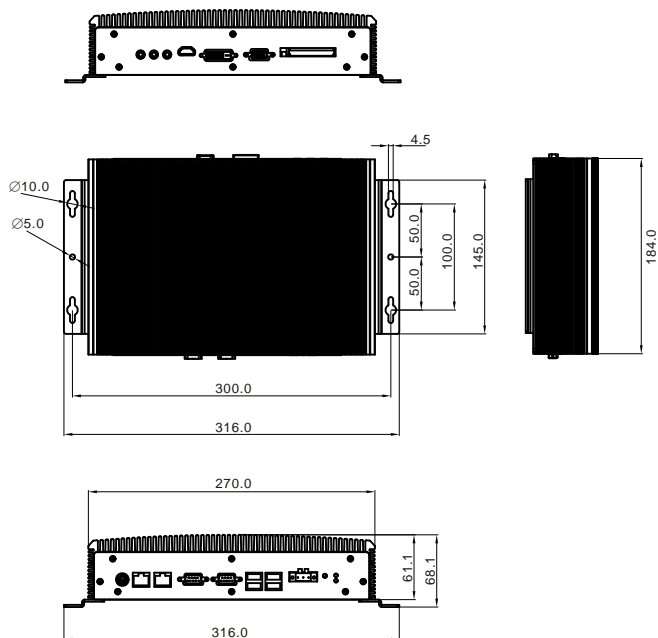
- 5~90% @ 40°C, non-condensing

### Certification

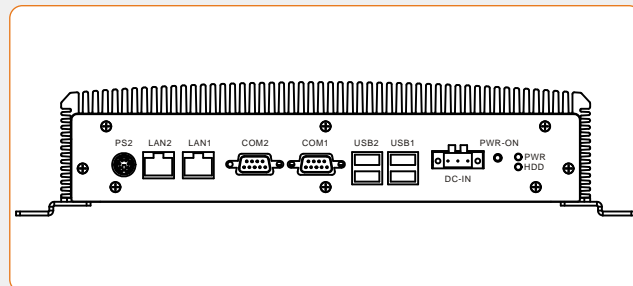
- CE/FCC class A

## Outline Dimensions

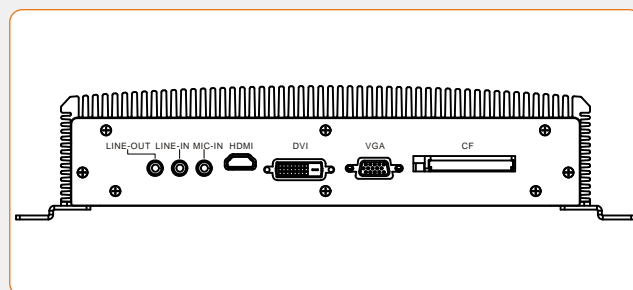
Unit: mm



## I/O Interface-Front



## I/O Interface-Rear



## Ordering Information

### REC5415-A01

Celeron M 1.86GHz, Fanless, DC 9~36V, RJ45x2, USBx4, COMx2

### REC5425-A01

Celeron M 1.86GHz, Fanless, DC 9~36V, RJ45x2, USBx4, COMx6, HDD Bay

### REC5435-A01

Celeron M 1.86GHz, Fanless, DC 9~36V, RJ45x2, USBx4, COMx6, HDD Bay and PCI slot

## Optional Accessories

**840612111200** Power Adapter 12V, 10A, 120W, PAC120F

**810618301010** Power cord (US type)

**810618301090** Power cord (European type)