

# EC531-HM

Mobile



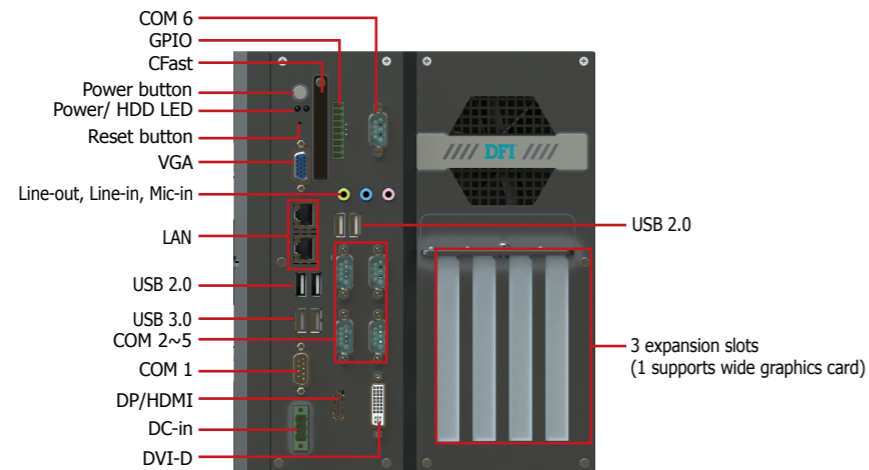
## Features

- Supports DDR3L SODIMM up to 16GB
- 2 2.5" SATA drive bays, 1 CFast socket
- 3 expansion slots (1 supports wide graphics card)



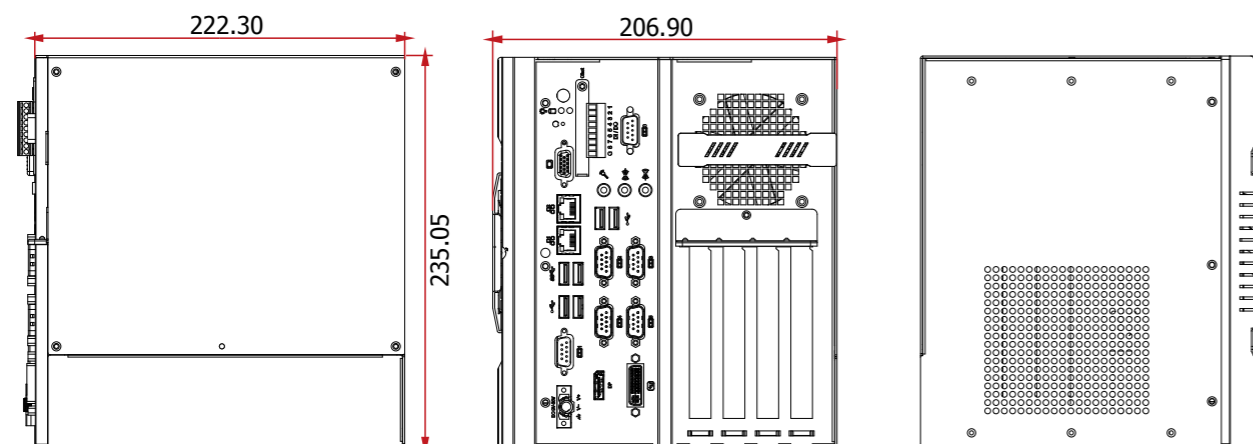
2 Vertical USB ports for securing USB flash drive (optional)

## Panel



Front View

## Dimensions



Left View

Front View

Right View

# EC531-HM

## Specifications

### PROCESSOR SYSTEM

- CPU
  - 4th Generation Intel® Core™ processors (22nm process technology)
    - : Intel® Core™ i7-4700EQ, 6M Cache, up to 3.4 GHz, 47W
    - : Intel® Core™ i5-4400E, 3M Cache, up to 3.3 GHz, 37W
    - : Intel® Core™ i5-4402E, 3M Cache, up to 2.7 GHz, 25W
    - : Intel® Core™ i3-4100E, 3M Cache, 2.4 GHz, 37W
    - : Intel® Core™ i3-4102E, 3M Cache, 1.6 GHz, 25W
    - : Intel® Celeron® 2000E, 2M Cache, 2.2 GHz, 37W
    - : Intel® Celeron® 2002E, 2M Cache, 1.5 GHz, 25W
- Chipset: Intel® HM86 Express Chipset

### MEMORY

- Two 204-pin DDR3L SODIMM sockets
- Supports DDR3L 1333/1600MHz
- Supports up to 16GB system memory
- Supports dual channel memory interface

### GRAPHICS

- Intel® HD Graphics 4600
- Display ports: DP/HDMI, DVI-D, VGA
- DP resolution up to 3840x2160 @ 60Hz
- HDMI resolution up to 4096x2304 @ 24Hz or 2560x1600 @ 60Hz
- DVI-D resolution up to 1920x1200 @ 60Hz
- VGA resolution up to 1920x1200 pixels with 24-bit color @ 60Hz

### STORAGE

- 2 2.5" SATA drive bays
- 1 CFast socket
- Supports 1 mSATA module via the mini PCIe socket

### ETHERNET

- Intel® I210 PCI Express Gigabit Ethernet controller
- Intel® I217LM with iAMT9.0 Gigabit Ethernet Phy
- Integrated 10/100/1000 transceiver
- Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

### AUDIO

- Realtek ALC886 5.1-channel High Definition Audio
- S/PDIF audio interface

### EXPANSION

- 1 PCIe x16 slot
- 2 PCI slots
- 1 Mini PCIe slot
  - Supports USB and PCIe signals
  - Supports mSATA or Wi-Fi
  - Supports half size or full size Mini PCIe card

### POWER

- Power input voltage: 9~36V DC-in

### FRONT PANEL I/O PORTS

- 1 power button with LED
- 1 reset button
- 1 power LED
- 1 HDD LED
- 1 VGA port
- 2 RJ45 LAN ports
- 4 Type A USB 2.0 ports
- 2 Type A USB 3.0 ports
- 6 DB-9 RS232/422/485 serial ports (with power)
- 1 9~36V DC-in 3-pole terminal block
- 1 8-bit DIO 10-pole terminal block
- Mic-in, Line-in, Line-out
- 1 DVI-D port
- 1 DP/HDMI port

### ENVIRONMENT

- Temperature
  - Operating: 0°C ~ 55°C (SSD/mSATA/CFast)
  - Operating: 0°C ~ 50°C (HDD)
  - Storage: -20°C ~ 85°C
  - Humidity: 5% ~ 90%
- Operating Vibration
  - MIL-STD-810F 514-5C-1
- Operating Shock
  - Half sine wave 3G, 11ms, 3 shock per axis

### CONSTRUCTION

- Aluminum + SGCC

### MOUNTING

- Wall mount
  - Mounting brackets and screws (optional)

### DIMENSIONS

- 206.90mm x 235.05mm x 222.30mm (W x H x D)

### WEIGHT

- 5.3kg

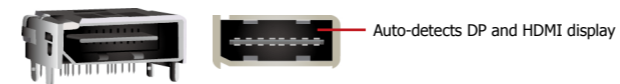
### OS SUPPORT

- Windows 7 Embedded, Windows 7, Windows 8, Windows 8 Embedded, Linux Fedora, Linux Kernel

### OTHER FEATURES

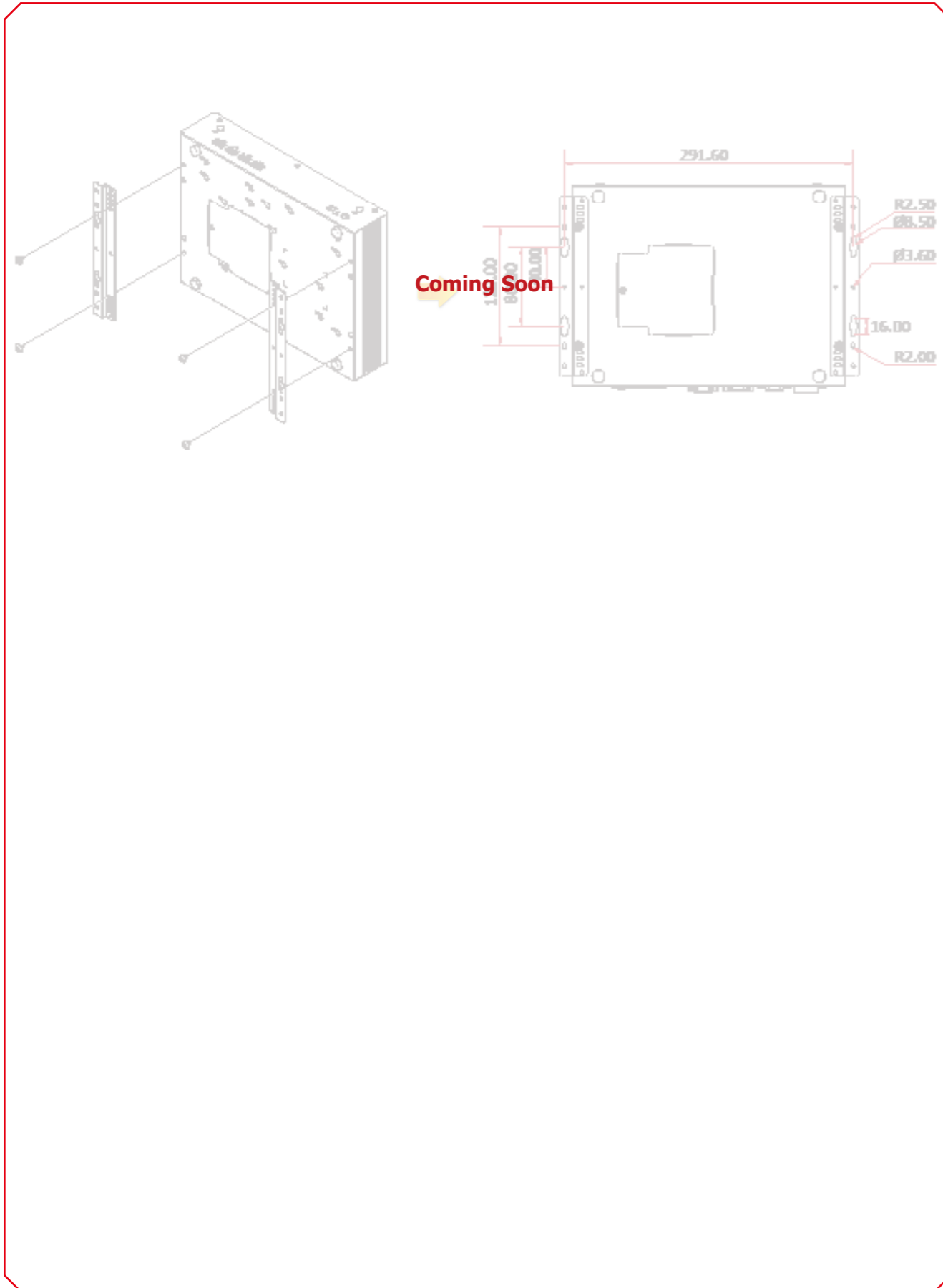
- Watchdog timeout programmable via software from 1 to 255 seconds

## DP/HDMI Port



# EC531-HM

## ► Wall Mounting



# EC531-HM

## ► Ordering Information

Model Name	Part Number	Description
EC531-HM6860		Fanless, i5/i3, HM86, 6 COM, 8-bit GPIO, 6 USB, RoHS

## ► Optional Items

Optional Items	Part Number	Description
<b>Memory</b>	785-RL0D38G	SODIMM, DDR3L, 8GB, RoHS
	785-RS0D34G	SODIMM, DDR3L, 4GB, RoHS
	785-RS0D32G	SODIMM, DDR3L, 2GB, RoHS
<b>HDD</b>	785-H25500G	2.5" SATA HDD, 500GB, RoHS
	785-H25320G	2.5" SATA HDD, 320GB, RoHS
	785-S25128G	2.5" SATA SSD, 128GB MLC, RoHS
	785-S25064G	2.5" SATA SSD, 64GB MLC, RoHS
	785-S25032G	2.5" SATA SSD, 32GB MLC, RoHS
<b>mSATA</b>	785-MS64GMF	mSATA Card, 64GB MLC, RoHS
	785-MS32GMF	mSATA Card, 32GB MLC, RoHS
	785-MS16GMF	mSATA Card, 16GB MLC, RoHS
	785-MS08GMF	mSATA Card, 8GB MLC, RoHS
	785-MS04GMF	mSATA Card, 4GB MLC, RoHS
<b>Wi-Fi</b>	761-110090-000G	Wi-Fi kit
<b>Power Cord</b>	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS
<b>Power Adapter</b>	671-112004-100G	120W, 19V/6.31A
<b>Wall Mount</b>	761-EC5310-000G	EC531 Wall Mount Kit, RoHS

## ► Packing List

• 1 EC531 system unit
• 1 Quick Installation Guide
• Terminal blocks
• 1 CD disk includes:
- Drivers / Manual