

DFI® ST101-CR Embedded Systems

HM76



Features

- Low power consumption
- 3rd/ 2nd Generation Intel® Core™ processors
- Intel® HM76 Express Chipset
- Dual display output
- Supports DDR3/ DDR3L SODIMM; up to 16GB
- 1 2.5" SATA drive bay; 1 optical drive bay
- 1 HDMI, 1 DVI-I, 2 LAN, 8 USB, 1 COM



System Specifications

PROCESSOR SYSTEM

- Socket G2 988B for:
 - 3rd Generation Intel® Core™ processors (22nm process technology)
 - : Intel® Core™ i7-3610QE (6M Cache, up to 3.3 GHz); 45W
 - : Intel® Core™ i5-3610ME (3M Cache, up to 3.3 GHz); 35W
 - : Intel® Core™ i3-3120ME (3M Cache, 2.4 GHz); 35W
 - 2nd Generation Intel® Core™ processors (32nm process technology)
 - : Intel® Core™ i7-2710QE (6M Cache, up to 3.0 GHz); 45W
 - : Intel® Core™ i5-2510E (3M Cache, up to 3.1 GHz); 35W
 - : Intel® Core™ i3-2330E (3M Cache, 2.2 GHz); 35W
 - : Intel® Celeron® B810 (2M Cache, 1.6 GHz); 35W
- Chipset
 - Intel® HM76 Express chipset

MEMORY

- 2 204-pin DDR3/DDR3L 1066/1333/1600MHz SODIMM sockets
- Supports up to 16GB memory
- Supports dual channel memory interface

GRAPHICS

- Intel® HD Graphics 4000
- Display outputs: HDMI and DVI-I
- HDMI and DVI display resolution up to 1920x1200

STORAGE

- 1 2.5" SATA drive bay
- 1 optical drive bay (optional)

ETHERNET

- 2 Realtek RTL8111DL PCI Express Gigabit Ethernet controllers

AUDIO

- Realtek ALC886 5.1-channel High Definition Audio

COM

- 2 RS232/422/485 COM ports

I/O PORTS

- Front Panel
 - 2 USB 2.0
 - 1 optical drive bay
 - 1 HDD LED
 - 1 Power LED
 - 1 Power button
- Rear Panel
 - 2 DB-9 COM
 - 1 HDMI
 - 1 DVI-I
 - 2 LAN
 - 2 USB 2.0
 - 4 USB 3.0
 - Mic-in/Center+ Subwoofer, Line-in/Surround, Line-out
 - 12V DC-in

EXPANSION

- 1 Mini PCIe slot

COOLING SYSTEM

- 1 CPU fan
- 2 system fans

POWER

- Power input voltage
 - +12V DC

ENVIRONMENT

- Temperature
 - Operating: 0°C ~ 50°C
 - Storage: -20°C ~ 60°C
- Humidity
 - Operating: 10% to 90% non-condensing

CONSTRUCTION

- Aluminum

MOUNTING

- Wall mount
 - brackets and screws (optional)

DIMENSIONS

- 220mm x 68mm x 223mm (W x H x D)

WEIGHT

- 1.8 kg

OS SUPPORT

- Windows 7, Windows 7 Embedded, Windows XP, Windows XP Embedded, Linux

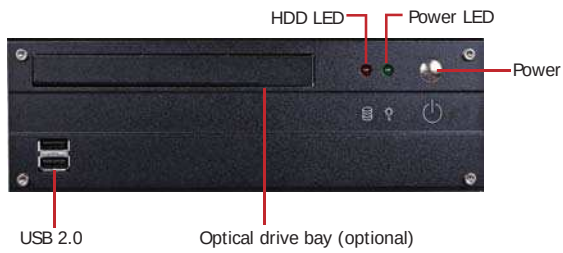
OTHER FEATURES

- Watchdog Timer function

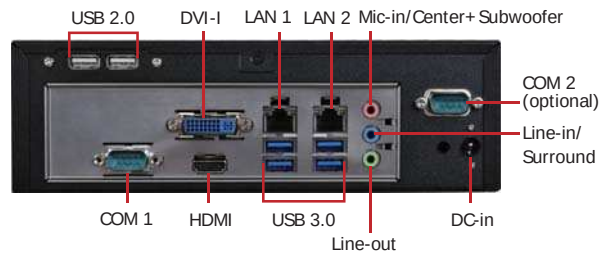
ST101-CR Embedded Systems

DFI®

Panel

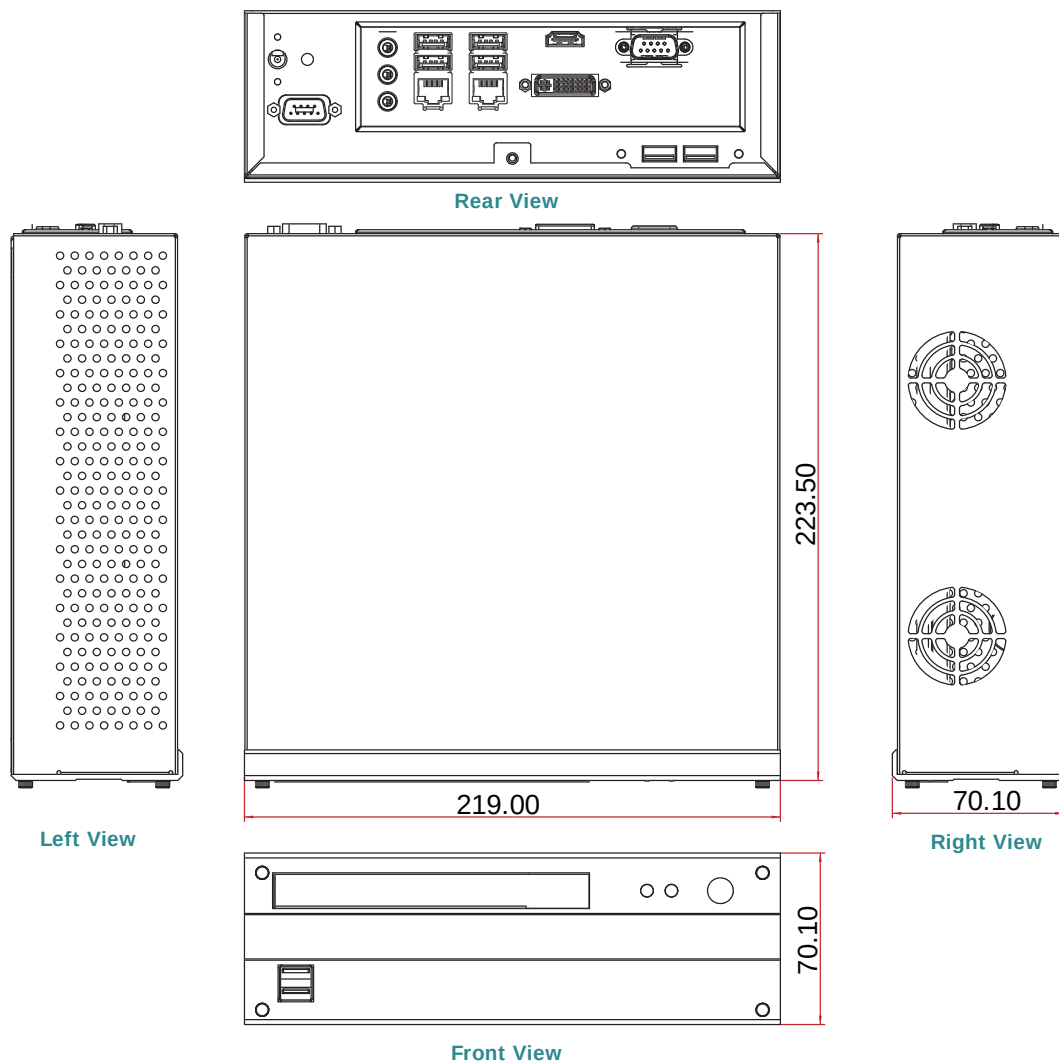


Front View



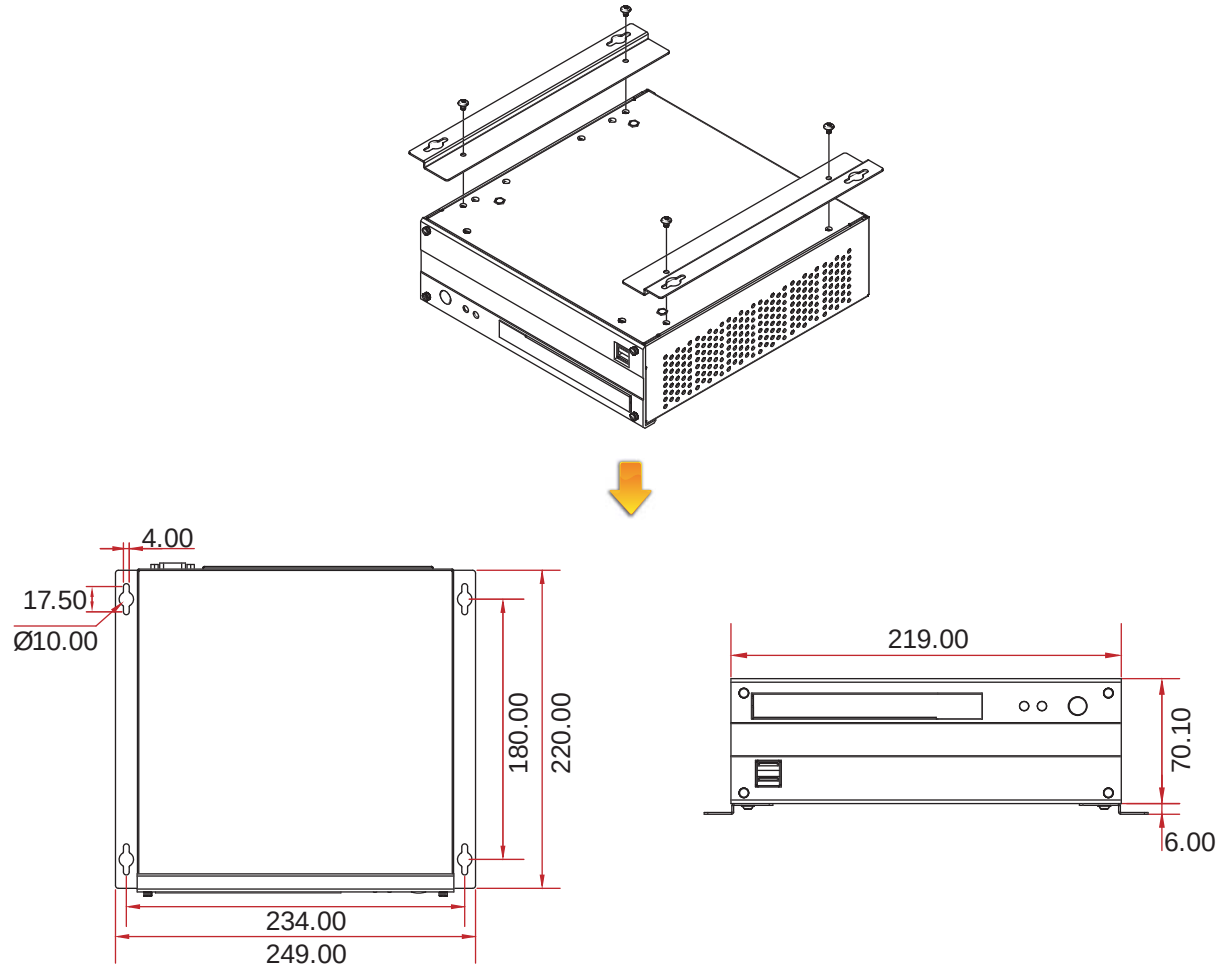
Rear View

Dimensions



Mounting

Wall Mounting



ST101-CR Embedded Systems



Packing List

- 1 ST101-CR system unit
- 1 75W power adapter
 - DC output: 12V 6.3A
- 1 Quick Installation Guide
- 1 CD disk includes:
 - Drivers / Manual

Ordering Information

Model Name	Part Number	Description
ST101-CR	750-ST1011-200G	ST101-CR; SYSTEM W/ CR101-D F/G RoHS

Optional Items

Optional Items	Part Number	Description
CPU	785-CP988BML	CPU, Socket 988B, Long-term Support, RoHS
Memory	785-RSOD31G	SODIMM, DDR3, 1GB, RoHS
	785-RSOD32G	SODIMM, DDR3, 2GB, RoHS
	785-RSOD34G	SODIMM, DDR3, 4GB, RoHS
HDD	785-H25250G	2.5" SATA HDD, 250GB, RoHS
	785-H25320G	2.5" SATA HDD, 320GB, RoHS
Power Cord	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS
DVD	785-STDDRW	DVD RW Slim Type SATA, DC-8A2SH(PLDS), RoHS