



# Intel® Atom™ E3800 Series 15" Light Industrial Touch Panel PC

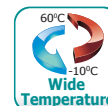
## KS150-BT

Atom

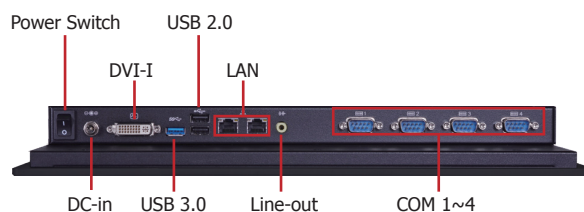


### Features

- 15" 1024x768 TFT LCD Panel with Touch Screen
- 1 2.5" SATA drive bay
- IP65 Front Panel Protection
- VESA/Wall/Panel Mount

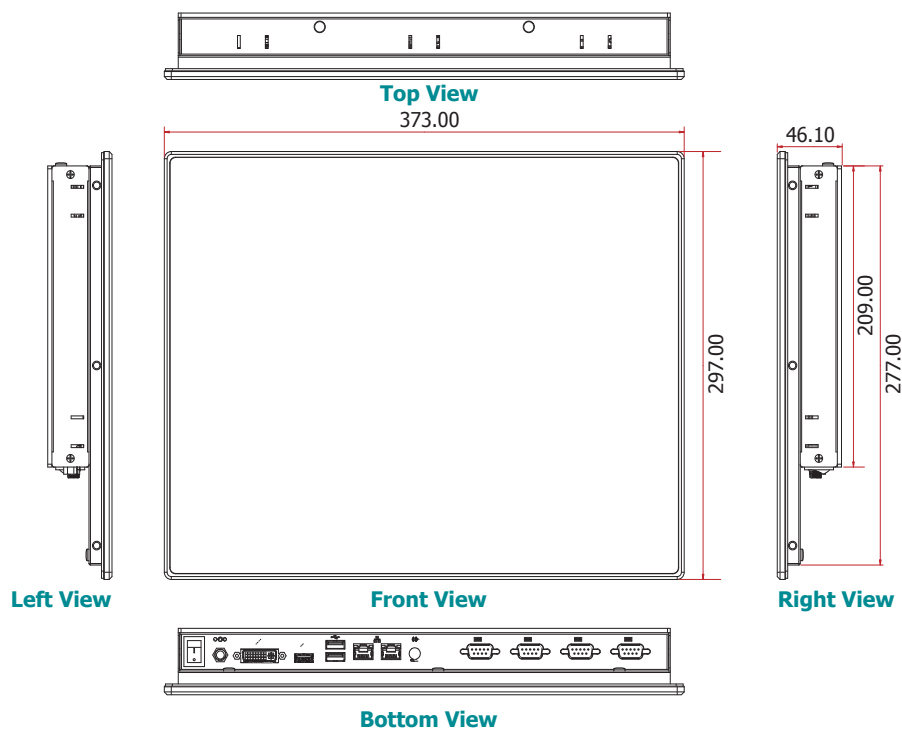


### Panel



Bottom View

### Dimensions



## KS150-BT

### Specifications \* Optional and is not supported in standard model. Please contact your sales representative for more information.

#### PROCESSOR SYSTEM

- Intel® Atom™ E3845, Quad Core, 2M Cache, 1.91GHz, 10W
- Intel® Atom™ E3825, Dual Core, 1M Cache, 1.33GHz, 6W
- BGA 1170 packaging technology
- 22nm process technology

#### MEMORY

- Two 204-pin DDR3L SODIMM sockets (E3845)
  - up to 8GB system memory
  - dual channel memory interface
- One 204-pin DDR3L SODIMM socket (E3825)
  - up to 4GB system memory
  - single channel memory interface
- Supports DDR3L 1333MHz (E3845)
- Supports DDR3L 1066MHz (E3825)

#### LCD and TOUCH SCREEN

- 15" 1024x768 TFT LCD panel with touch screen
- Supports capacitive touch screen
- Supports 5-wire resistive touch screen
- 50,000 MTBF LED backlight
- Brightness (cd/m<sup>2</sup>): 250

#### GRAPHICS

- Intel® HD Graphics
- Display port: DVI-I
- DVI-I: resolution up to 1920x1080 @ 60Hz

#### STORAGE

- 1 2.5" SATA drive bay
  - SATA 2.0 port with data transfer rate up to 3Gb/s

#### EXPANSION

- 1 Mini PCIe slot
  - Supports USB and PCIe signals
  - Supports mSATA or Wi-Fi\*
  - Supports full size Mini PCIe card

#### ETHERNET

- 2 Intel® I210AT PCI Express Gigabit Ethernet controllers
- Integrated 10/100/1000 transceiver
- Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

#### AUDIO

- Realtek ALC888 5.1-channel High Definition Audio

#### I/O

- Bottom
  - 1 12V DC-in jack
  - 1 DVI-I port
  - 2 RJ45 LAN ports
  - 2 USB 2.0 ports
  - 1 USB 3.0 port
  - 1 Line-out jack
  - 1 Power switch
  - 3 DB-9 RS232 COM ports
  - 1 DB-9 RS232/422/485 COM ports (RS232 and/or power)

#### POWER

- Power input voltage: 12V DC-in

#### ENVIRONMENT

- Temperature
  - Operating: -10°C ~ 60°C (with SSD)
  - Operating: 0°C ~ 45°C (with HDD)
  - Storage: -20°C ~ 70°C
- Relative Humidity
  - 85% RH at 60°C (with SSD)
  - 85% RH at 45°C (with HDD)

#### VIBRATION

- Operating: 1G, 5~500Hz
- Non-operating: 3G, 10~500Hz

#### SHOCK

- Operating: 3G peak acceleration
- Non-operating: 5G peak acceleration

#### CONSTRUCTION

- Aluminum front bezel
- Rear panel: aluminum and SGCC

#### FRONT PANEL PROTECTION

- IP65 (Dust Tight; Water Proof protection) (TBD)

#### MOUNTING

- Wall mount (VESA 75x75 or 100x100)
- Panel mount (Mounting clamp)

#### DIMENSIONS

- 373mm x 297mm x 46.10mm (W x H x D)

#### WEIGHT

- 3.8 kg

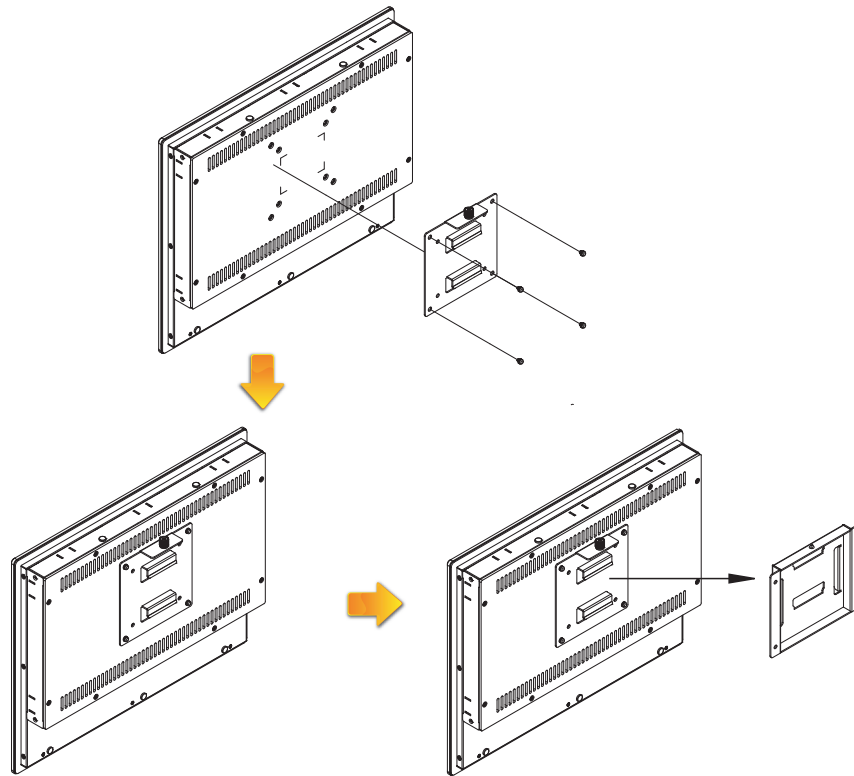
#### OS SUPPORT

- Windows 7, Windows 8
- Linux (Distribution available upon request)

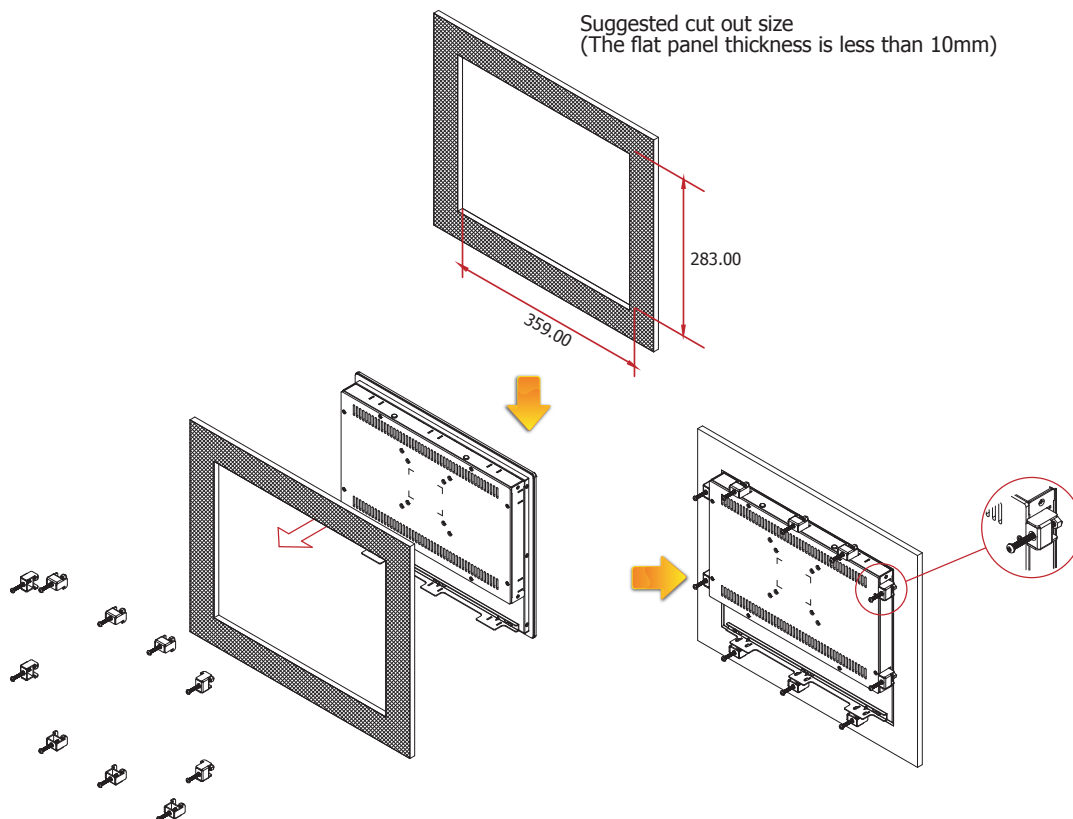


## KS150-BT

### Wall Mounting



### Panel Mounting



## KS150-BT

### ► Ordering Information

| Model Name           | Part Number     | Description                                                     |
|----------------------|-----------------|-----------------------------------------------------------------|
| <b>KS150-BT3845R</b> | 750-KS1500-000G | 15" Panel PC, Intel® Atom™ E3845, 5-wire Resistive Touch Screen |
| <b>KS150-BT3845P</b> | 750-KS1500-100G | 15" Panel PC, Intel® Atom™ E3845, Capacitive Touch Screen       |
| <b>KS150-BT3825R</b> | 750-KS1500-200G | 15" Panel PC, Intel® Atom™ E3825, 5-wire Resistive Touch Screen |
| <b>KS150-BT3825P</b> | 750-KS1500-300G | 15" Panel PC, Intel® Atom™ E3825, Capacitive Touch Screen       |

### ► Optional Items

| Optional Items       | Part Number     | Description                                    |
|----------------------|-----------------|------------------------------------------------|
| <b>Memory</b>        | 785-RSOD3L4G    | SODIMM, DDR3L, 4GB, RoHS                       |
|                      | 785-RSOD3L2G    | SODIMM, DDR3L, 2GB, RoHS                       |
| <b>HDD</b>           | 785-H25500G     | 2.5" SATA HDD, 500GB, RoHS                     |
|                      | 785-H25320G     | 2.5" SATA HDD, 320GB, RoHS                     |
|                      | 785-S251TBG     | 2.5" SATA SSD, 1TB MLC, RoHS                   |
|                      | 785-S25512G     | 2.5" SATA SSD, 512GB MLC, RoHS                 |
|                      | 785-S25256G     | 2.5" SATA SSD, 256GB MLC, 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-MS128GMF    | mSATA Card, 128GB MLC, RoHS                    |
|                      | 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>         | 761-110091-000G | Wi-Fi kit, RoHS                                |
| <b>Power Cord</b>    | 785-PWRD        | Power cord, Standards (USA/EUR/CH), 1.8m, RoHS |
| <b>Power Adapter</b> | 671-106002-102G | 60W, 12V/5A                                    |
| <b>Wall Mount</b>    | 785-PPCWMK      | Standard Panel PC Wall Mount kit, RoHS         |
| <b>Panel Mount</b>   | 785-150PMK      | 15" Panel PC Panel Mount Kit, RoHS             |

### ► Packing List

|                                 |
|---------------------------------|
| • 1 KS150-BT Touch Panel PC     |
| • 1 Poron foam                  |
| • 1 Chassis Panel Mount Bracket |
| • 1 Quick Installation Guide    |
| • 1 CD disk includes:           |
| - Manual                        |