



# DT122-SD

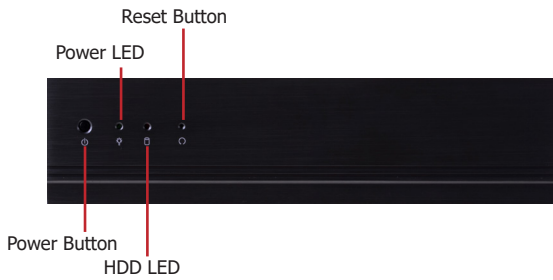
Q170/  
H110



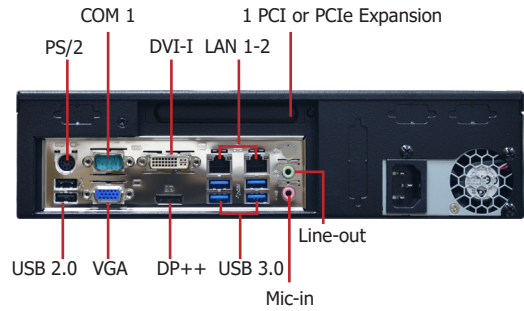
## ► Features

- 6th/7th Gen Intel Core Desktop Box PC
- 1x 3.5" / 2x 2.5" SATA drive bay
- 1x optional slim ODD bay
- Supports 1 expansion slot: 1 PCIe x16 or 1 PCI

## ► Panel

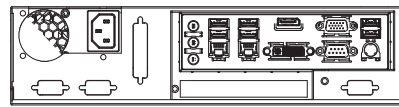


Front View



Rear View

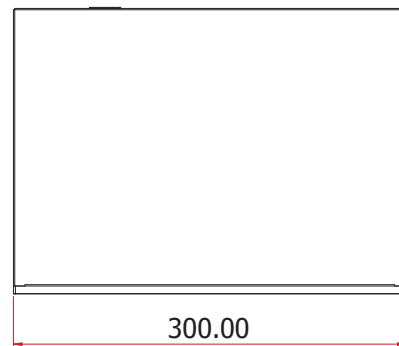
## ► Dimensions



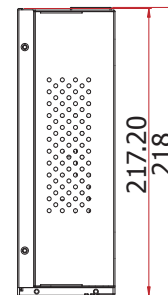
Rear View



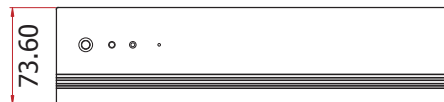
Left View



Front View



Right View

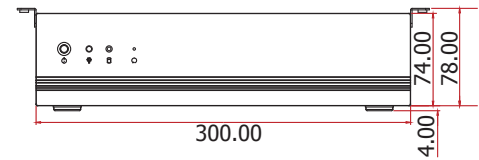
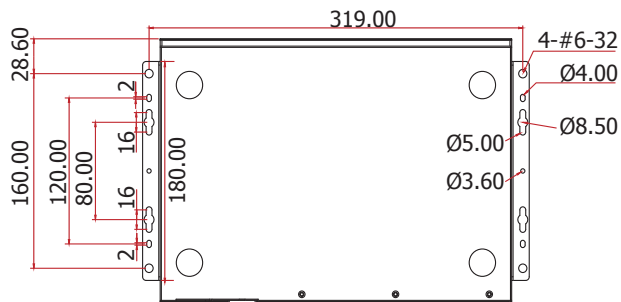
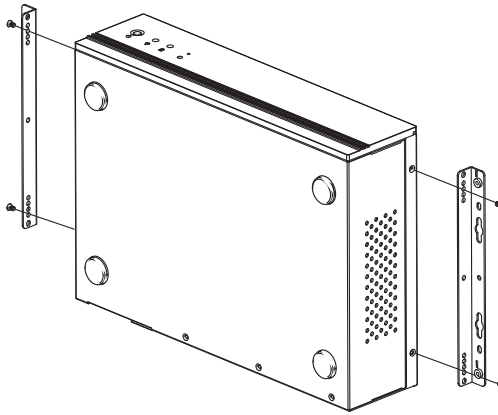


## ► Specifications

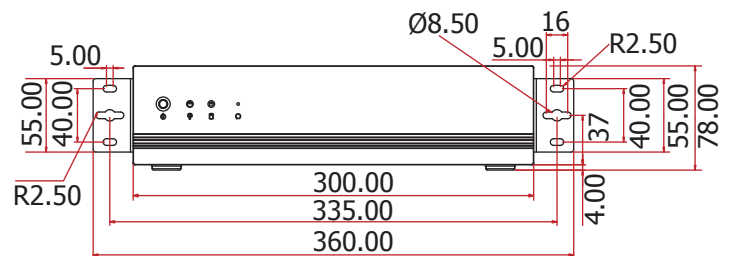
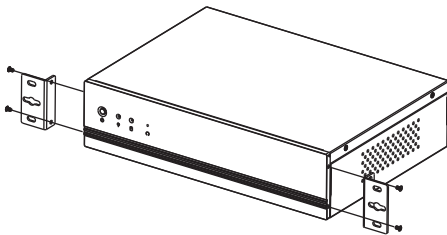
|                                     |                                 |  |   |
|-------------------------------------|---------------------------------|--|---|
| <b>SYSTEM</b>                       | <b>Processor</b>                | 6th/7th Generation Intel® Core™ Processors, LGA 1151 Socket<br>Intel® Core™ i7-6700TE, Quad Core, 8M Cache, 2.4GHz (3.4GHz), 35W<br>Intel® Core™ i5-6500TE, Quad Core, 6M Cache, 2.3GHz (3.3GHz), 35W<br>Intel® Core™ i3-6100TE, Dual Core, 4M Cache, 2.7GHz, 35W<br>Intel® Core™ i7-7700T Processor, Quad Core, 8M Cache, 2.9GHz (3.8GHz), 35W<br>Intel® Core™ i5-7500T Processor, Quad Core, 6M Cache, 2.7GHz (3.3GHz), 35W<br>Intel® Core™ i3-7101TE Processor, Dual Core, 3M Cache, 3.4GHz, 35W<br>Intel® Pentium® Processor G4400TE, Dual Core, 3M Cache, 2.4GHz, 35W<br>Intel® Celeron® Processor G3900TE, Dual Core, 2M Cache, 2.6GHz, 35W<br>Intel® Celeron® Processor G3930TE, Dual Core, 2M Cache, 2.7GHz, 35W |   |
|                                     | <b>Chipset</b>                  | Intel® Q170 Chipset  | Intel® H110 Chipset   |
|                                     | <b>Memory</b>                   | Two 260-pin SODIMM up to 32GB Dual Channel DDR4 1866/2133MHz   |   |
|                                     | <b>BIOS</b>                     | Insyde SPI 128Mbit   |   |
|                                     | <b>GRAPHICS</b>                 | <b>Controller</b>  | Intel® HD Gen 9 Graphics  |
|                                     | <b>Feature</b>                  | OpenGL 5.0, DirectX 12, OpenCL 2.1<br>HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9<br>HW Encode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9  |   |
|                                     | <b>Display</b>                  | 1 x VGA<br>1 x DVI-I (DVI-D signal)<br>1 x DP++  | VGA: resolution up to 1920x1200 @ 60Hz<br>DVI-I: resolution up to 1920x1200 @ 60Hz<br>DP: resolution up to 4096x2304 @ 60Hz |
|                                     | <b>Triple Displays</b>          | VGA + DVI-I (DVI-D signal) + DP++ (H110 supports dual displays)  |   |
| <b>STORAGE</b>                      |                                 | 1 x 3.5" or 2 x 2.5" SATA 3.0 Drive Bay (1 x 2.5" by default)<br>1 x Slim ODD Bay (available upon request)   |   |
| <b>EXPANSION</b>                    | <b>Interface</b>                | 1 x PCIe x16 (Gen 3) or 1 x PCI (through optional riser card)<br>Q170:<br>1 x Half-size Mini PCIe (mSATA/PCIe, PCIe by default)<br>H110:<br>1 x Full-size Mini PCIe (mSATA/PCIe, PCIe by default)  |   |
| <b>AUDIO</b>                        | <b>Audio Codec</b>              | Realtek ALC888S-VD2-GR   |   |
| <b>ETHERNET</b>                     | <b>Controller</b>               | Q170:<br>1 x Intel® I210AT PCIe (10/100/1000Mbps)<br>1 x Intel® I219LM PCIe with iAMT11.0 (10/100/1000Mbps) (only Core i7/i5 supports iAMT)<br>H110:<br>1 x Intel® I211AT PCIe (10/100/1000Mbps)<br>1 x Intel® I219V PCIe (10/100/1000Mbps)  |   |
| <b>LED</b>                          | <b>Indicators</b>               | 1 x Power LED<br>1 x HDD LED   |   |
| <b>FRONT I/O</b>                    | <b>Buttons</b>                  | 1 x Power Switch<br>1 x Reset Switch   |   |
| <b>REAR I/O</b>                     | <b>Ethernet</b>                 | 2 x GbE (RJ-45)  |   |
|                                     | <b>Serial</b>                   | 1 x RS-232 (DB-9)  |   |
|                                     | <b>USB</b>                      | 4 x USB 3.0<br>2 x USB 2.0   |   |
|                                     | <b>PS/2</b>                     | 1 x PS/2 (mini-DIN-6)  |   |
|                                     | <b>Display</b>                  | 1 x VGA<br>1 x DVI-I (DVI-D signal)<br>1 x DP++  |   |
|                                     | <b>Audio</b>                    | 1 x Line-in (available upon request)<br>1 x Line-out<br>1 x Mic-in   |   |
| <b>COOLING</b>                      | <b>Fan</b>                      | 1 x System Fan<br>1 x CPU Fan  |   |
| <b>WATCHDOG TIMER</b>               | <b>Output &amp; Interval</b>    | System Reset, Programmable via Software from 1 to 255 Seconds  |   |
| <b>POWER</b>                        | <b>Supply</b>                   | Flex ATX 250W<br>(150W/350W/400W available upon request)   | DC-in External Power Adapter (available upon request)   |
| <b>OS SUPPORT</b>                   |                                 | Windows 7 (/WES7) 32/64-bit<br>Windows 8.1 (64-bit)<br>Windows 10 IoT Enterprise 64-bit  | Debian 8 (with VESA graphic driver)<br>CentOS 7 (with VESA graphic driver)<br>Linux   |
| <b>MECHANISM</b>                    | <b>Construction</b>             | Front Bezel aluminum + Chassis Sheet Metal   |   |
|                                     | <b>Mounting</b>                 | Wall mount   |   |
|                                     | <b>Dimensions ( W x H x D )</b> | 300mm x 73.6mm x 218mm   |   |
|                                     | <b>Weight</b>                   | 3.7 kg   |   |
| <b>ENVIRONMENT</b>                  | <b>Operating Temperature</b>    | 0 to 45°C  |   |
|                                     | <b>Storage Temperature</b>      | -20 to 60°C  |   |
|                                     | <b>Relative Humidity</b>        | 0 to 90% RH (non-condensing)   |   |
| <b>STANDARDS AND CERTIFICATIONS</b> | <b>Shock</b>                    | Operating: 3G  | Non-operating: 5G   |
|                                     | <b>Vibration</b>                | Operating: Random 5~500Hz 1G   | Non-operating: Sweep Sine 10~500Hz 1.5G   |
|                                     | <b>Package Drop</b>             | ISTA Project 1A  |   |
|                                     | <b>Certification</b>            | CE, FCC Class A, RoHS  |   |

**Wall Mounting**

**Type A Wall mount bracket**



**Type B Wall mount bracket**



### ► Ordering Information

| Model Name      | Part Number     | Description   |
|-----------------|-----------------|---|
| <b>DT122-SD</b> | 750-DT1221-000G | DT122-SD: SD100-Q170, 250W PSU, PCIe x16, SYSTEM F/G RoHS |
| <b>DT122-SD</b> | 750-DT1221-100G | DT122-SD: SD100-H110, 250W PSU, PCIe x16, SYSTEM F/G RoHS |
| <b>DT122-SD</b> | 750-DT1221-200G | DT122-SD: SD100-Q170, 250W PSU, PCI, SYSTEM F/G RoHS      |
| <b>DT122-SD</b> | 750-DT1221-300G | DT122-SD: SD100-H110, 250W PSU, PCI, SYSTEM F/G RoHS      |
| <b>DT122-SD</b> | 750-DT1221-400G | DT122-SD: SD100-Q170, 250W PSU, SYSTEM F/G RoHS           |
| <b>DT122-SD</b> | 750-DT1221-500G | DT122-SD: SD100-H110, 250W PSU, SYSTEM F/G RoHS           |

### ► Optional Items

| Optional Items    | Part Number     | Description                                       |
|-------------------|-----------------|---|
| <b>CPU</b>        | 785-1151DL      | CPU, LGA1151, Long-Term Support, RoHS             |
| <b>Memory</b>     | 785-RSOD416G    | SODIMM, DDR4 Module, 16GB, RoHS                   |
|                   | 785-RSOD48G     | SODIMM, DDR4 Module, 8GB, RoHS                    |
|                   | 785-RSOD44G     | SODIMM, DDR4 Module, 4GB, RoHS                    |
| <b>HDD</b>        | 785-H351T0B     | 3.5" SATA HDD, 1TB, RoHS                          |
|                   | 785-H35500G     | 3.5" SATA HDD, 500GB, RoHS                        |
|                   | 785-H25500G     | 2.5" SATA HDD, 500GB, 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>Wall Mount</b> | 761-DT1220-100G | DT122 Type A Wall Mount Kit for Top Cover, RoHS   |
|                   | 761-DT1220-000G | DT122 Type B Wall Mount Kit for Front Cover, RoHS |

### ► Packing List

|                              |
|------------------------------|
| • 1 DT122-SD system unit     |
| • 1 CPU cooler               |
| • 1 HDD drive bay kit        |
| • 1 Heatsink/fan             |
| • 1 Quick Installation Guide |