

## Options

The DT122 is designed to work with a range of custom and off-the-shelf options to enhance its applicability for various deployments.

- Built-in wireless LAN, with external antenna

## SPECIFICATIONS

| System                        |                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>              | Intel® Atom™ Z530, 1.6GHz                                                                                                                                                                         |
| <b>GPU</b>                    | Poulsbo SCH                                                                                                                                                                                       |
| <b>Memory (RAM)</b>           | 2GB                                                                                                                                                                                               |
| <b>Storage</b>                | 8GB to 16GB Flash or 32GB to 64GB SSD                                                                                                                                                             |
| <b>Operating Systems</b>      | Microsoft® Windows® XP Embedded or Windows® XP Pro for Embedded Systems                                                                                                                           |
| <b>Display Resolution</b>     | Up to 1280 x 1024                                                                                                                                                                                 |
| <b>Network Interface</b>      | 10/ 100/ 1000Mb BaseT LAN;<br>Wi-Fi 802.11a/b/g or Wi-Fi 802.11a/b/g/n (optional)                                                                                                                 |
| <b>Expansion</b>              | PCI Express                                                                                                                                                                                       |
| <b>Input/Output Ports</b>     | 1 HDMI connector; 1 DVI port; 12V DC-in jack;<br>2 Audio jacks (Microphone-in, Line-in, Headphone-Out jacks);<br>4 USB 2.0 ports; RJ45 connector for Ethernet;<br>Wi-Fi dipole antenna (optional) |
| Power                         |                                                                                                                                                                                                   |
| <b>AC/DC Adapter</b>          | <b>Input:</b> 100 – 240V AC; <b>Output:</b> 12V DC                                                                                                                                                |
| Mechanical                    |                                                                                                                                                                                                   |
| <b>Enclosure</b>              | Aluminum + steel                                                                                                                                                                                  |
| <b>Dimensions (H x W x D)</b> | 1.4 x 5.5 x 5.1 in/ 35 x 140 x 130 mm                                                                                                                                                             |
| <b>Weight</b>                 | 0.88 lbs/ 400 g                                                                                                                                                                                   |
| Environmental                 |                                                                                                                                                                                                   |
| <b>Regulatory</b>             | FCC Class B, CE, C-Tick, UL, RoHS compliant                                                                                                                                                       |
| <b>Temperature</b>            | <b>Operation:</b> 0°C - 40°C; <b>Storage:</b> -20°C - 60°C                                                                                                                                        |
| <b>Humidity</b>               | 0% - 90% non-condensing                                                                                                                                                                           |

\* Specifications subject to change without notice.

## DT122

### BASIC OPERATION GUIDE

#### ENGLISH



#### INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of Embedded Controller/ System devices - the DT122, featuring compact, robust construction powered by the energy efficient Intel® Atom processor. The DT122 supports major embedded operating systems as well as Microsoft® Windows® XP Embedded and Windows® XP Pro and provides complete solutions for a variety of computing needs. The user is offered a choice of software solutions on a platform characterized by the following:

- High-integration and energy-efficient processor technology
- Expanded graphics capabilities for multimedia applications
- Robust construction for reliable operation
- Cost-effective computing in compact packaging



#### Package Contents

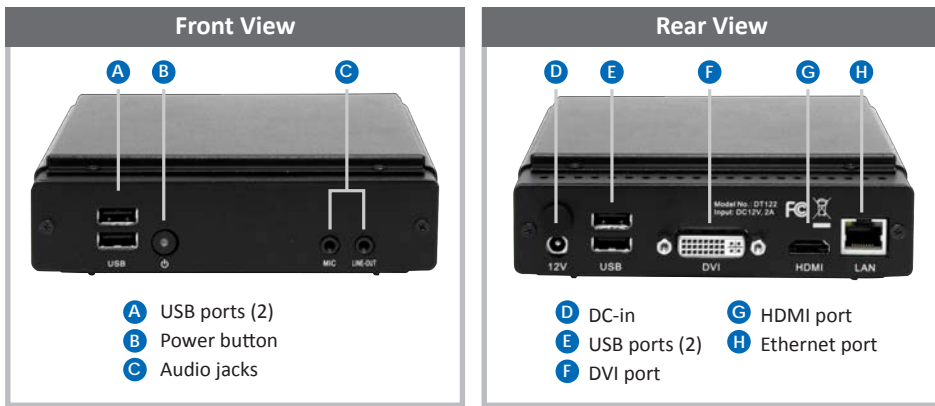
- 1 DT122
- 2 AC/DC Power Adapter
- 3 VESA Bracket
- 4 Basic Operation Guide

**Note:** The actual package contents may vary depending on the configuration acquired.

**Precautions**

- Always exercise care when operating and handling the DT122.
- Never disassemble any portion of the enclosure. It will void any product warranty on the DT122.
- Do not use any AC/DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power down the DT122 and disconnect all power sources.
- Please report the problem to your device provider immediately.

**THE DT122**



**Powering ON and OFF**

The Power Button is located in the front of the DT122. The Power Button may be configured to function differently depending on the power options of the operating system. In general, to turn the DT122 on, push and release the Power Button on the front bezel. The adjacent power LED will be lit (blue) and the corresponding interface will be displayed on the display monitor.

To turn off the device, again depending on software operating system, push and release the Power Button or use a software shutdown interface. In the event of system lockup, the Power Button may be used to perform a reset on the device. To do that, push and hold the Power Button for at least 4 seconds. The system will shut down and all unsaved work may be lost. Pushing on the Power Button again will restart the device.

**Device Ports**

The DT122 features an optimal set of I/O ports while preserving the compact size of the system. The HDMI connector, Network (10/100/1000 BaseT Ethernet), and Power ports are supplemented by a set of four USB 2.0 and two Audio ports. Through its USB ports, the DT122 supports a wide range of USB-based peripherals. These peripherals are applicable in providing the means for software installation, application storage, data storage, and system software recovery and updates.

**Memory and Storage**

The DT122 may be available in storage configurations ranging 8GB to 16GB of flash memory or 32GB to 64GB SSD. Depending on base software configuration, the user may use the internal memory of the DT122 for user’s installed software and storage. The user may also supplement storage space with USB-based peripherals such as flash disks, disk drives, etc. RAM capacity is up to 2GB.

**VESA Mounting Bracket Installation Guide for DT122**

The DT122 package includes a VESA-compliant mounting bracket (1) which mounts the DT122 (2) onto a VESA-compatible monitor or display.

**NOTE:** The VESA Mounting Bracket is compatible with most displays and monitors that support the VESA standard.



**Step1:**

- Locate the existing mounting holes on the monitor.
- Line the bracket holes up with the holes on the back of the monitor, as shown to the right.
- Place the screws to hold the mounting bracket in place and tighten the screws (do not over-tighten).

**Step2:**

- Remove the two M3 screws (3) originally on the DT122 signage appliance.
- Place the DT122 (2) on the bracket rail with the interface ports side facing downwards so that the two mounting holes on the appliance are aligned with the existing holes on the rail (see picture).

**Step3:**

- Apply and tighten the screws into their original locations and make sure that the bracket and the DT122 are properly secured.