

## SPECIFICATIONS

<b>Display</b>	12.1" TFT LCD with resistive touch, outdoor-viewable option
<b>Display Resolution</b>	1024 x 768
<b>Processor</b>	AMD Mobile Sempron™ 1GHz
<b>Storage</b>	Up to 16GB flash memory module, SSD (32GB/ 64GB) (optional)
<b>Operating Systems</b>	Windows® XP Embedded; Windows® XP Professional
<b>Display Enclosure</b>	Magnesium-aluminum alloy
<b>Control Buttons</b>	One (1) mechanical switch power button, one (1) power button, and nine (9) programmable buttons
<b>Input/Output Ports</b>	One (1) COM port, one (1) Mic-in, one (1) Headphone out, four (4) USB (2.0), Ethernet RJ45, two (2) DC-in jack (AC-DC/ DC-DC)
<b>Network Interface</b>	Ethernet 10/100/1000 Base-T LAN, Wireless 802.11a/b/g
<b>Speaker</b>	One (1) built-in speaker
<b>AC/DC adapter</b>	Input voltage 100 - 240V AC, 50/60 Hz Output: 18.5V, 3.5A
<b>DC / DC</b>	12 - 24V DC input
<b>Power Cords</b>	North America, EU, UK and China
<b>Dimensions (H x W x D)</b>	9.45 x 12.2 x 1.57 in; 240 x 310 x 40 mm
<b>Base Weight</b>	6.6lbs (3 Kg) (with UPS battery); 5.5 lbs (2.5 Kg) (without UPS Battery)
<b>Regulatory</b>	FCC Class B, CE, UL, RoHS compliant, C-Tick, MIL STD 810F, and IP65
<b>Operating Temperature</b>	0°C - 40°C
<b>Humidity</b>	5% - 95% RH non-condensing

\* Note: Specifications are subject to change without notice.



# Rugged Fixed-Mount Tablet

## WebDT 520

### BASIC OPERATION GUIDE

#### ENGLISH

#### INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablet devices- the WebDT 520, a rugged fixed-mount tablet designed to run applications that support specific business processes.



The WebDT 520 integrates a 12.1" TFT LCD display and AMD Mobile Sempron™ 1GHz processor, and enables real-time data access in harsh environments by combining wireless networking with shock, vibration and water protection. The compact, yet robust device is IP65 and MIL-STD-810F highway truck vibration exposures, supporting water-proof and dust-proof operation and standards.

The WebDT 520 offers Microsoft® Windows® XP Embedded or Professional operating systems. Each system features web browser, client/ server computing software, media player, accessories, and applications support, enabling timely and cost-effective deployment of applications.

Please take a few moments to review the contents of this document to ensure that the setup and startup proceed smoothly. The WebDT 520 is ready for use, out of the box, in its default configuration when powered by the power source provided. The following discussion offers guidance on the hardware elements and features of the WebDT 520. Please refer to your device provider for information pertaining to the software operating system or software applications.

#### Package Contents

- WebDT 520 rugged fixed-mount tablet
- AC/DC power adapter with power cord
- Basic operation guide

#### Precautions

- Always exercise care when operating and handling the WebDT 520.
- Never disassemble any portion of the enclosure, as this will void any product warranty on the WebDT 520.
- Do not use any AC/DC adapter other than the one provided with the device or a replacement acquired from the manufacturer.

## Packaging

- The WebDT 520 is packaged with recyclable materials and designed for maximum protection in transportation and handling.
- When possible, please save the packaging carton and protective inserts for re-use if there is ever a need to ship the WebDT 520.

## I/O Panels

### Lower I/O Panel

The WebDT 520 has a comprehensive set of I/O ports. The following ports are located along the lower rear edge of the display unit.

1. Serial port
2. Audio-out jack
3. Microphone-in jack
4. Four (4) USB 2.0 ports
5. Ethernet port
6. DC in jack
7. Fuse
8. DC power inlet
9. Power Switch



### Front Panel Function Buttons

The front panel of the WebDT 520 features power and programmable buttons.

#### 10. Programmable buttons:

The nine (9) buttons are intended to be user programmable via software in applicable operating systems.



#### 11. Power button

- May be configured to perform different functions, depending on the software operating system.
- Depending on the OS, a brief, firm push will trigger software-enabled entry into Shutdown or Standby modes. Push in similar manner to Restart or to exit Standby mode.
- Push and hold for over 4 seconds to forcefully shut down the device. This method of powering off should only be used when proper shutdown through software is not possible.

## Rear Mounting

The WebDT 520 is designed to be secured to VESA-compliant mounting arms or stands. The VESA-compliant mounting holes at the rear of the device will mate with VESA mounts or arms to meet the requirements of the deployment.



1. The tablet without the VESA-compliant mounting arm



2. Attach the VESA-compliant mounting arm or stand to the display using the same screws removed in step 1.



3. The display successfully mounted on a VESA-compliant mounting arm.

## OPTIONS

The WebDT 520 has a number of optional configurations in both software and hardware. These include:

1. Outdoor-viewable touch screen
2. SSD storage
3. Back-up battery pack implemented as an uninterruptible power supply (UPS)
4. Waterproof keyboard and keyboard tray
5. U bracket
6. DC power cable