DT Research

Mobile POS Tablet

Barcode Scanner

Installation

The Barcode Scanner is preinstalled as an option for WebDT 312/ 362.

Button Management

To assign Scanner Trigger button, follow the procedures below.

1. Start **Button Manager** by clicking on in the system tray.
2. Click on to go to the second screen of **Button Manager.**
3. Select an available unused button marked with the icon .
4. Click on the icon to assign the **Scanner Trigger** to the unused button.
5. Click **OK** to apply configuration settings and close the window.

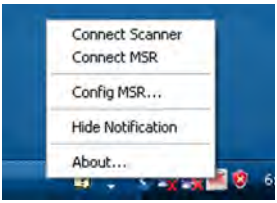
Scanner Configuration

To **Add/Remove** Symbologies, follow the procedures below.

1. Click **Start | All Programs | DT Research | Button Manager | ScannerConfig**.
2. Select **COM3** and click **Connect** button.
3. **Add** Symbology with Add >> button and **Remove** Symbology with << Remove button.
4. Select the **Beep after scanning barcode** checkbox to enable beep sound after scanning bar code or deselect it to disable the beep sound.
5. Click **OK** to apply the configuration settings and close the window.

To Connect Barcode Scanner Module

To connect the Barcode Scanner, you can use the WebDT Keyboard Wedge to connect. Tap on the icon in the task bar, a menu displayed as shown in the picture below. Select Connect Scanner.



To Test Barcode Scanner Module

1. Click **Start | All Programs | Accessories | Notepad** to run the Notepad
2. Scan one of the several supported barcode Symbology. The output will appear in the Notepad screen.
3. Verify the captured data.

The Default Port Parameters for Barcode Scanner Module

Port	COM3
Baud Rate	57600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

SPECIFICATIONS

Electrical Characteristics	**Voltage**	3.3V+/- 5%
	Current	370mA @3.3V scanning with power save
	Idle	40mA
	Standby current	3mA
Environment	**Ambient light**	Works in any lighting conditions, from 0 to 100,000 lux
	Shock	2000G, 0.7ms, half sinus, 3 axes
	Vibration	8G r.m.s., from 10Hz to 500Hz, 2 hours/axis, 3 axes
Interfaces	High speed RS232 TTL with Intermec Scanner Control Protocol (ISCP)	
Physical Characteristics	**Scan engine (H x W x D)**	12.4 x 20.9 mm x 14.0 mm; 0.5 x 0.8 x 0.55 in
	Decode board (H x W x D)	6.6 x 38.1 x 25.4 mm; 0.25 x 1.5 x 1 in
	Decoded 2D module (H x W x D)	16 x 38.1 x 26.8 mm; 0.6 x 1.5 x 1.05 in
	Weight	10g (0.35 oz.)
Scanning Performance	**Scan rate**	**2D mode:** 56 images/s auto adaptive **Linear emulation mode:** 200 scans/s auto adaptive
	Scan angle	38.9° (Horizontal), 25.4°(Vertical)
	Optical resolution	752 (H) x 480 (V) pixels, 256 gray levels
	Print contrast	down to 25%
	Versions	Standard range and high density

Note: Specifications are subject to change without notice.

Linear Imager Compliance and Precaution
This product complies with the following standards for laser and LED safety.
IEC 60825-1 / EN 60825-1 - Class 1 LED Product

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Mobile POS Tablet
CMOS Camera

Installation

The CMOS Camera is preinstalled as an option for WebDT 312/ 362.

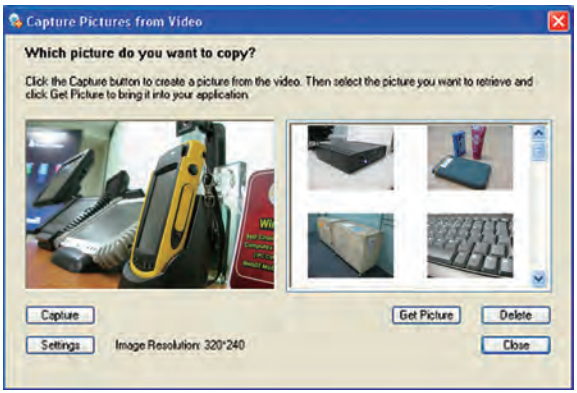
Button Management

To assign Camera Trigger button, follow the procedures below.

1. Start **Button Manager** by clicking on in the system tray.
2. Click on to go to the second screen of **Button Manager.**
3. Select an available unused button marked with the icon .
4. Click on the icon to assign the **Camera Trigger** to the unused button.
5. Click **OK** to apply configuration settings and close the window.

To Test CMOS Camera Module

To test the CMOS Camera, launch **Microsoft® Paint** from **Start | All Programs | Accessories**. Select **File | From Scanner or Camera** to initiate the **Capture Pictures from Video** window.



- Click **Settings** to decide properties of captured pictures.
- Click on **Capture** button or pre-assigned trigger button to take a picture.
- Select a captured picture on right column, click **Get Picture** to export the picture to **Paint** or click **Delete** to delete the picture.

SPECIFICATIONS

Sensor	UXGA resolution image sensor
Resolution	640 x 480 (default), 1280 x 1024, 1600 x 1200, 2048 x 1536
LED Indicator	Yes
Auto Focus	Yes
Automatic Image Control	Automatic exposure control Automatic white balance control
Focusing Type	Auto focus
Focus Distance	Focal on 60cm
Interface	High speed USB 2.0
Regulatory	RoHS compliant

Note: Specifications are subject to change without notice.

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Mobile POS Tablet

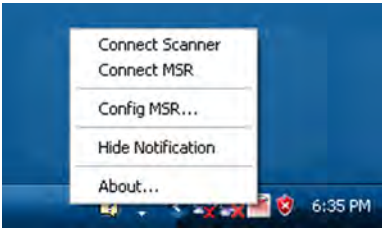
Magnetic Stripe Reader

Installation

The Magnetic Stripe Reader (MSR) is preinstalled as an option for WebDT 312/ 362.

To Connect Magnetic Stripe Reader Module

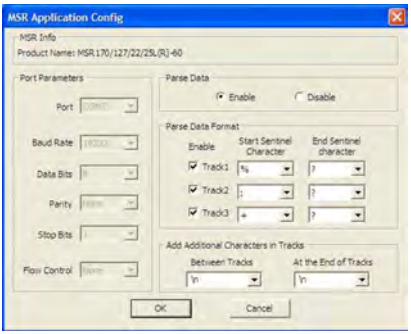
To connect the Magnetic Stripe Reader, you can use the WebDT Keyboard Wedge. Tap on the icon in the task bar, a menu is displayed as shown in the picture below. Choose Connect MSR.



To Configure MSR

For a magnetic stripe card, the raw data in each data track may contain start and end sentinel characters. To remove those characters, you can select the Configure MSR command to parse input raw data and filter out the start and end sentinel characters on each track.

1. Click Config MSR in the WebDT Keyboard Wedge menu, and the MSR Application Configuration window will be displayed.



2. Choose Enable in the Parse Data section.

   Choose data you want to parse at the start or end of each track.

   For Example:

   Check Track 1

   - In Start Sentinel Character, select %
   - In End Sentinel Character, select ?

3. Click OK to complete the settings

To Test Magnetic Stripe Reader Module

1. Click **Start | All Programs | Accessories | Notepad** to run the Notepad.
2. Swipe a magnetic stripe card across the module. The output will appear in the **Notepad** screen.
3. Verify the captured data.

Default Port Parameters for Magnetic Stripe Reader Module

Port	COM2
Baud Rate	19200
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

SPECIFICATIONS

Reference Standards	- ANSI/ISO Standards 7810, 7811-1/6, 7812 & 7813 - JIS X6301, X6302 - AAMVA
Recording Method	Two frequency coherent phase (F2F)
Decoding Method	ISO Track1: IATA, Track2: ABA, Track3: THRIFT JIS: JISI-Tk1, TK2; JISII-Tk NTT AAMVA
Card Swiping Direction	Bi-directional
Card Swiping Speed	Card speed through the unit may vary from 3ips to 100ips (7cm/s to 250cm/s)
Life	Electronics 125,000 hours Head 1,000,000 passes

Note: Specifications are subject to change without notice.

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