DT Research

Mobile POS Tablet

Barcode Scanner

Installation

The Barcode Scanner is preinstalled as an option for the DT398 series.

Button Management

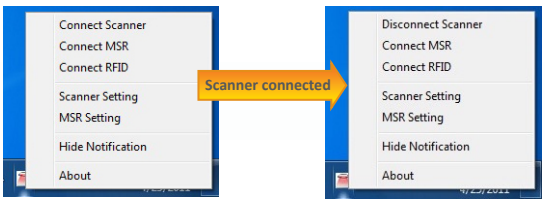
The default scanner trigger button is on the right side.

To assign the Scanner Trigger button, follow the steps below.

1. Start **Button Manager** by clicking on in the system tray.
2. Select an available unused button marked with the icon .
3. Click on to go to the second screen of **Button Manager.**
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.

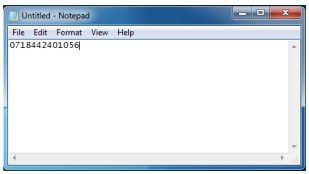
To Connect Barcode Scanner Module

To connect the Barcode Scanner, you can use the **Keyboard Wedge**. Tap on the icon in the task bar, a menu displays 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 barcodes.
   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	115200
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

Note: Please refer to Hyper Terminal Settings to confirm or change the port parameters.

SPECIFICATIONS

Scanning Performance	**Scan rate**	60fps auto adaptive
	Scan angle	Tilt: 360°/ Pitch: ±45°/ Skew: ±65°
	Optical resolution	CMOS 844 X 640 pixels
	Print contrast	down to 20%

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 Class2 LASER Product

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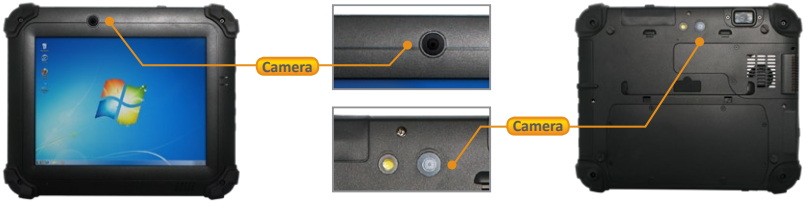
Mobile POS Tablet
CMOS Camera

Installation

The CMOS Camera is preinstalled as an option for the series.



Button Management

To assign Camera Trigger button, follow the steps below.

1. Start **Button Manager** by clicking on in the system tray.
2. Select an available unused button marked with the icon .
3. Click on to go to the second screen of **Button Manager.**
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 **DTSMCap Utility** from **Start | All Programs | Utilities**. Select **File | Set Capture File** to assign the location of the captured files.

- Click **Options | Preview** to preview the capture screen.
- Click **Devices** to select your camera device.
- Take a picture from **Snap | Go**
- Capture the Video from **Capture | Start Capture** to start and **Stop Capture** to end it.
- You also can trigger from the assigned button, then edit the captured files

SPECIFICATIONS

Front Camera

Sensor	1/5” CMOS sensor
Resolution	Still Image support up to 1600(H) x 1200(V) pixels
Automatic Image Control	Automatic Exposure Control Automatic White Balance Control Automatic Gain Control
Focusing Type	Auto focus @ 10cm ~ ∞

Back Camera

Sensor	1/4” CMOS sensor
Resolution	Still image support up to 2592(H) x 1944(V) pixels
Automatic Image Control	Automatic Exposure Control Automatic White Balance Control Automatic Gain Control
Focusing Type	Auto focus @ 10cm ~ ∞

Note: Specifications are subject to change without notice.

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Mobile POS Tablet
RFID Reader

Installation

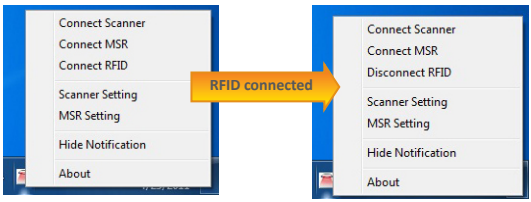
The RFID reader is preinstalled as an option for the DT398 series.

The Default Port Parameter for RFID Module

Port	COM4
Baud Rate	9600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

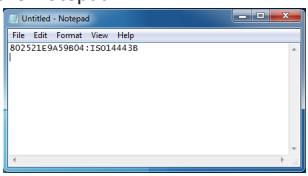
To Connect RFID Reader Module

To connect the RFID, you can use the **Keyboard Wedge**. Tap on the  icon in the task bar, a menu displays as shown in the picture below. Select **Connect RFID**.



To Test RFID Reader Module

1. Click **Start | All Programs | Accessories | NotePad** to run the Notepad.
2. Place an RFID tag or RFID card within range of the RFID Reader. (see reading range in specifications). The output will appear in the Notepad screen.
3. Verify the captured data.



SPECIFICATIONS

Frequency	13.56MHz ±7 KHz
Reading Range	Within 30mm
HF RFID Reader	ISO 15693,1443A(B), 18000-3 mode-1

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