DT430 Expansion Modules

Quick Start Guide

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Regulatory Information

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This device should be installed and operated with a minimum separation distance of 20cm between the radiator and all persons. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CE Statement

This device has been tested and found to comply with the following EU Directives:

- R&TTE Directive (1999/5/EC)
- EMC Directive (2004/108/EC)
- Low Voltage Directive (2006/95/EC)

The assessment of compliance of the device was performed according to the following European standards:

- EMC: EN 301 489-1/-17
- Health: EN 50371
- Safety: EN60950-1
- Radio: EN 300 328

CE 0678

Laser Warning Statement

Barcode scanner expansion module contains Class 2 type laser scan engine. The scanner and imager engine meet the accessible laser light limits for an CDRH/IEC Class 2 laser and IEC Class 1M LED product.

The following applies to the scan engine.

- "Complies with 21CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001."
- "EN60825-1:1994+ A1:2002 +A2:2001"
- "IEC60825-1:1993+A1:1997+A2:2001"
- **"**Caution**:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure."

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

A laser warning label such as the one below should appear on the end product.

Safety Information

Please read the following information carefully before using the device for the first time, and keep this Quick Guide in a safe place for future reference.

- Do not stare directly into the laser beam, or direct the laser beam into eyes.
- Always treat the device with care and keep it in a clean and dust-free environment.
- Do not expose the device to extremely hot, cold or humid environment.
- Do not use the device in wet or rainy conditions.
- Do not charge the device in extremely hot or cold conditions.
- Do not attempt to disassemble or modify the device including the charger.
- Do not operate the device when your hands are wet.
- Do not insert foreign objects into the openings of the device.
- Use only the charger and battery approved for the device.
- Install the cradle on a flat and stable surface.
- Do not cascade over 3 cradles.
- Do not use the charger if the power cord or plug is damaged.
- Do not disassemble, crush or puncture the battery.
- Do not expose the battery to high temperatures.
- Do not let battery terminals touch other metal objects that could lead to short-circuit of the battery.
- Do not dispose of the battery in fire or water.
- Dispose of used battery properly according to local laws and regulations.

DT430 Expansion Module Overview

Module Model No.	Module Type
DT430 (1D)	1D Barcode Scanner
DT430 (2D)	2D Barcode Scanner
DT430 (RFID)	RFID Reader

Installing the Expansion Module

To install the Expansion Module

1. Turn over the DT430 handheld terminal.
2. Remove the two screws on the DT430 back cover with a screw driver.

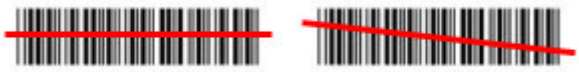
3. Remove the back cover from DT430.
4. Insert the Expansion Module into DT430 module slot, and slide the module until it fits tightly in the slot.

5. Apply the back cover screws to fasten the Expansion Module.

Scanning Barcodes

1. Aim the barcode reader aperture of the handheld at the barcode.
2. Press Right Scan Key or Left Scan Key to scan the barcode.
3. If scanning is not able to complete and time-out, try adjusting the angle or distance between the handheld and the barcode; and press Right Scan Key or Left Scan Key to scan again.

Correct linear scanning



Incorrect linear scanning

Correct imager scanning

Incorrect imager scanning

Remarks: Left and Right Scan Keys must be pre-figured by application developers.

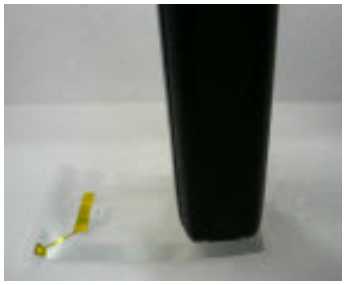
Scanning RFID Tags

1. Hold the handheld with the RFID expansion module parallel to and directly above the RFID tag. The scanning distance should be kept 3cm at most.
2. Press Right Scan Key or Left Scan Key to scan the barcode.

Correct RFID tag scanning

Position handheld parallel to the tag. Keep scanning distance within 3cm.

Incorrect RFID tag scanning



Do not hold the handheld perpendicular to the tag.

Do not position the handheld at an angle or too far from the tag.

Remarks: Left and Right Scan Keys must be pre-figured by application developers.

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