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ET80

Rugged 2-in-1 Tablet

Quick Start Guide

for Microsoft® Windows® 10

ZEBRA

MN-004255-01EN Rev A

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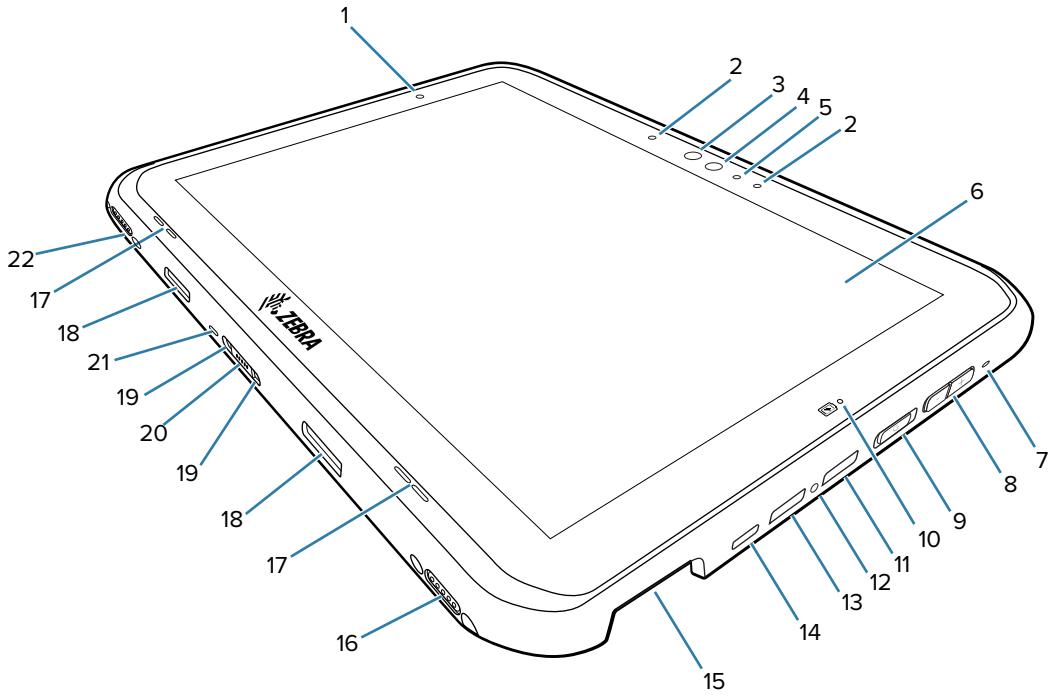
Features

NOTE: Some features may not be available on all configurations.

Figure 1 Front View



1	Light sensor	Determines ambient light for controlling display backlight intensity.
2	Front microphones	Use for voice communications or audio recordings.
3	Windows Hello IR illuminator	Illuminates your face with infrared (IR) light during Windows Hello face authentication.
4	Front camera	Use for video conferencing.
5	Camera indicator LED	Illuminates when the camera is activated. Momentarily lights red when the device boots.
6	Touch screen	Displays all information needed to operate the device.
7	Stylus tether mount	Use to attach a stylus tether mount.
8	Volume up/down button	Increases and decreases audio volume (programmable).
9	Power button	Turns the display on and off. Press and release to power on the device. Press and hold to reset the device or power off.
10	Charging indicator LED	Indicates power state and battery charging status while charging and application generated notifications.
11	USB-A port	Provides USB host and client communications.
12	Threaded Insert	Use to restrict access to the USB ports in hazardous locations (requires boot).

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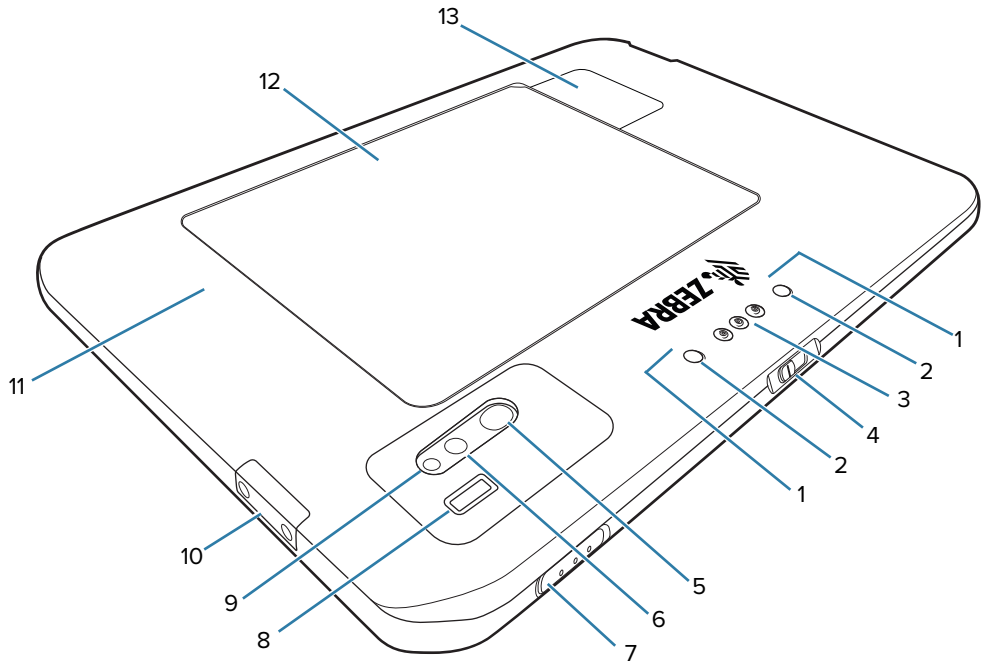
13	USB-A port	Provides USB host and client communications.
14	USB-C port	Provides USB host and client communications, and device charging via cables and accessories.
15	Scanner window	Provides data capture using the imager.
16	Dock interface connector	Provides communication to the device from the dock.
17	Speakers	Provides audio output.
18	Keyboard latch slot	Attaches the keyboard to the tablet.
19	Keyboard alignment slot	Assists in aligning the tablet with the keyboard.
20	Keyboard interface connector	Provides power and communication with the keyboard
21	Kensington security slot	Use with a security cable to lock the tablet to the keyboard.
22	Power interface connector	Provides power to the device through the dock.

Figure 2 Back View



1	Rear microphones	Use for audio recordings.
2	Dock alignment slot	Assists in aligning the tablet with the dock.
3	Pass-through antenna	Use to connect to an external antenna.
4	Front camera privacy cover switch	Use to cover the front camera when not in use.
5	Rear camera privacy cover	Use to cover the rear camera when not in use.
6	Rear camera LED flash	Provides illumination for the camera.
7	Scan button	Initiates barcode data capture when a scan-enabled application is active.
8	Fingerprint sensor	Provides biometric authentication.
9	Rear camera	Autofocus camera that takes photos.

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10	Communication expansion port	For Ethernet and serial communication through the expansion adapter.
11	NFC antenna position	Use to read NFC cards.
12	Battery cover	Provides access to the replaceable battery.
13	Solid State Drive Cover	Provides access to the solid state drive.

Setting Up the Device

To start using the device for the first time:

1. Charge the device.
2. Power on the device.

Device Charging

CAUTION: Ensure that you follow the guidelines for battery safety described in the device Product Reference Guide.

Before using the tablet for the first time, connect it to an external power source. Keep the tablet connected to the external power source until it is fully charged. The Charging Indicator LED turns green when the tablet is fully charged. You may use the tablet while it is charging.

For the best charging experience, Zebra recommends using the ET80/ET85 dock or the Zebra USB-C to AC adapter.

The tablet main battery charges from fully depleted to 90% in approximately 2 hours and from fully depleted to 100% in approximately 3 hours.

Charging Indicators

The Charging Indicator LED illuminates and changes color to indicate battery status.

State	Indication
Off	Device is not charging. Device is not inserted correctly in the cradle or connected to a power source. Charger/cradle is not powered.
Amber	Device is charging.
Green	Connected to external power and the tablet is fully charged.
Red	Charging error. For example: • Temperature is too low or too high. • Charging has gone on too long without completion (typically 8 hours). • Battery is not installed.

Charging Temperatures

Charge batteries in ambient temperatures from 0°C to 45°C (32°F to 113°F). The tablet or dock always performs battery charging in a safe and intelligent manner. To accomplish this, for small periods of time, the charger alternately enables and disables battery charging to keep the battery at acceptable temperatures.

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Charging Accessories

Use one of the following accessories to charge the tablet.

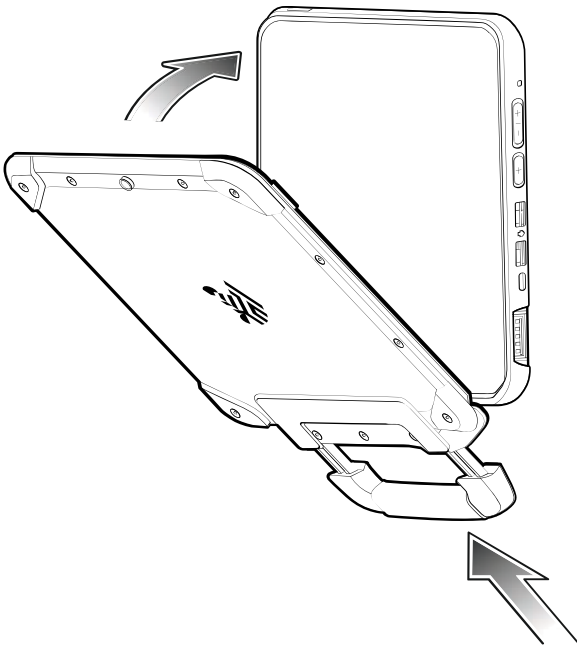
Accessory	Part Number	Description
Power Only Dock	CRD-ET8X-PWRDK1-01	Provides tablet charging only. Requires power supply (PWR-BGA12V50W0WW) and DC line cord (CBL-DC-388A1-01).
Vehicle Dock	CRD-ET8X-VEHDK1-01	Provides tablet charging, USB communication, Ethernet communication, and HDMI.
Office Dock	CRD-ET8X-OFFDK1-01	Provides tablet charging, USB communication, Ethernet communication, and HDMI. Includes stand. Requires power supply (PWR-BGA12V50W0WW) and DC line cord (CBL-DC-388A1-01) with country specific AC line cord.
USB-C to AC adapter	PWR-BGA15V45W-UC-WW	Provides tablet charging only. Requires country specific AC line cord.

CAUTION: Ensure that you follow the guidelines for battery safety described in the device Product Reference Guide.

Charging Using the Dock

When the tablet is docked and charging, the charging indicator LED illuminates amber.

1. Connect the dock to the appropriate power source.
2. If installed, ensure the keyboard and handle are closed.



3. Insert the bottom of the tablet into the bottom of the dock (1), aligning the charging contacts on the tablet with the connector pins on the dock.

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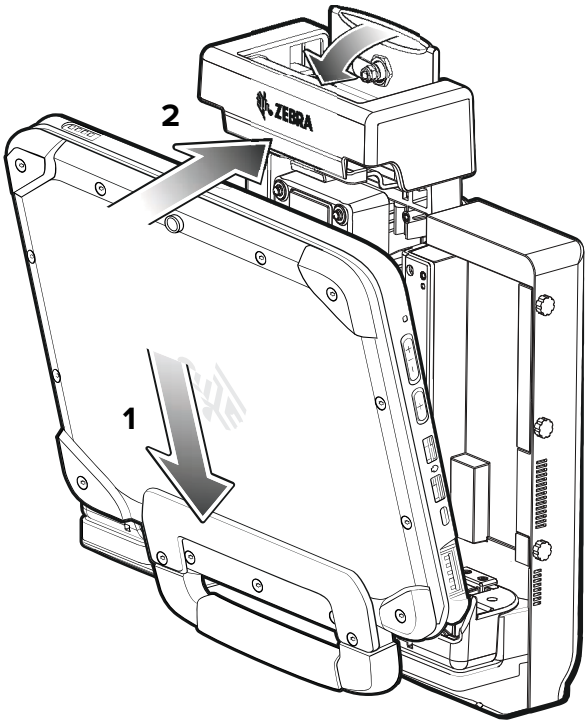
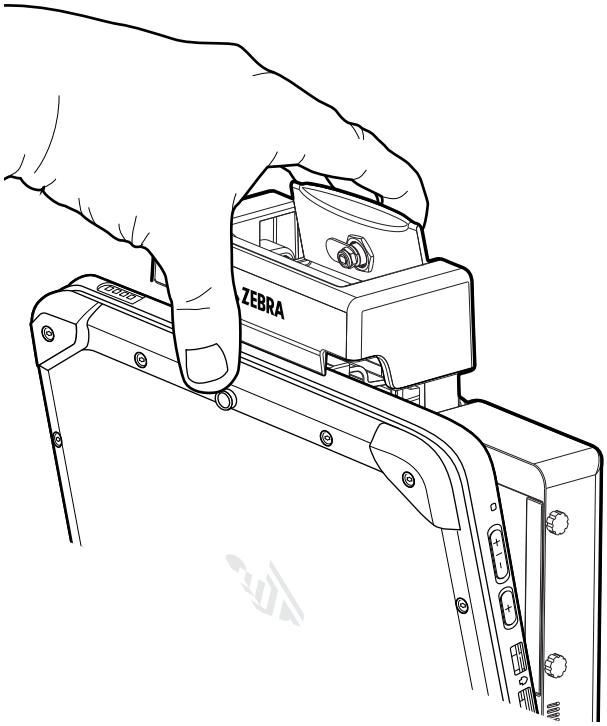
4. Rotate the top of the tablet towards the top of the dock (2).



5. Use your thumb to push the tablet into the dock, then push the lever down to secure the tablet.



6. After the tablet is secured in the dock, you can lower the keyboard (optional).

Removing the Tablet

1. If installed, ensure the keyboard is closed.

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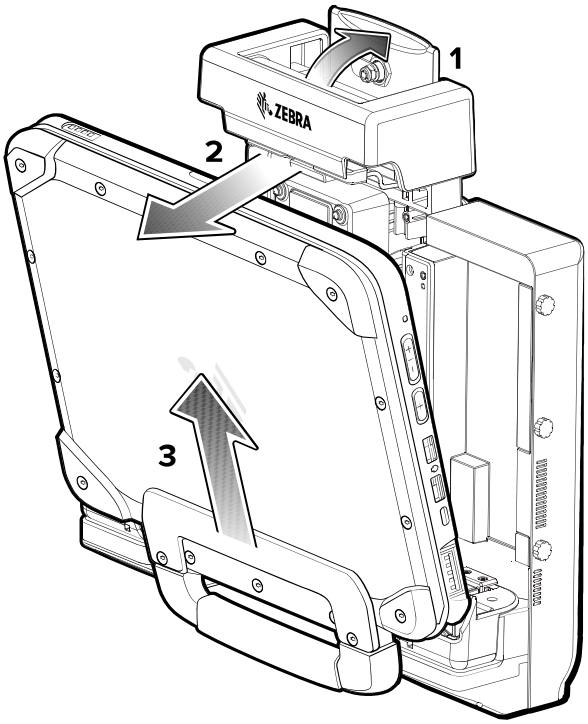
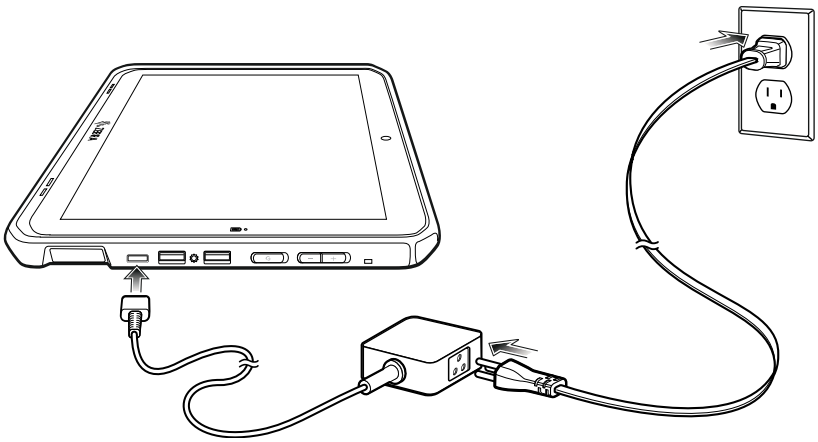
2. To remove the tablet from the dock, lift the lever on top of the dock (1) to release the tablet, rotate the top of the tablet down (2), then lift the tablet out of the dock (3).



Charging Using the USB-C to AC Adapter

Use the USB-C to AC adapter to charge the tablet.

1. Plug the AC line cord into the USB-C to AC adapter.
2. Plug the ac line cord into the AC outlet.



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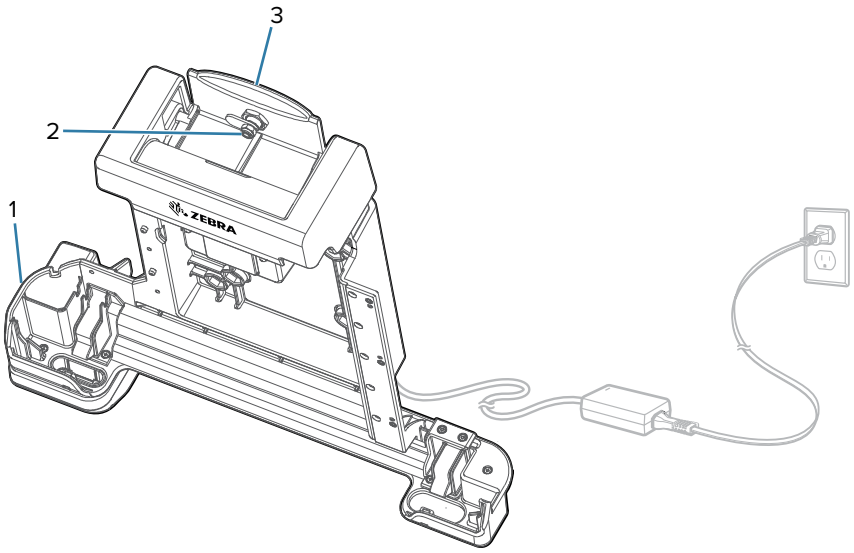
Power Only Dock

The Power Only Dock provides:

- Power for operating the device.
- Charging for the device's battery and optional Power Pack installed in an Expansion Back.
- Barrel lock and two keys to secure the tablet to the dock.
- Support for VESA 100 x 100, 100 x 50, and 75 x 75.

Figure 3 Power Only Dock Setup



1	Power module
2	Barrel lock (two keys included)
3	Lever

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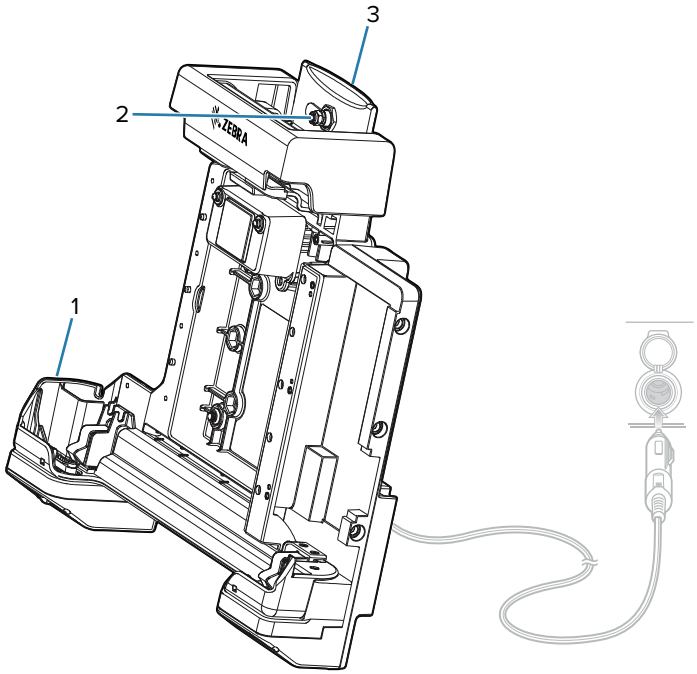
Vehicle Dock

The Vehicle Dock provides:

- Power for operating the device.
- Charging for the device's battery and optional Power Pack installed in an Expansion Back.
- Ports for connecting USB devices and Ethernet communication.
- Barrel lock and two keys to secure the tablet to the dock.
- Support for VESA 100 x 100, 100 x 50, and 75 x 75.

Figure 4 Vehicle Dock Setup



1	Power module
2	Barrel lock (two keys included)
3	Lever

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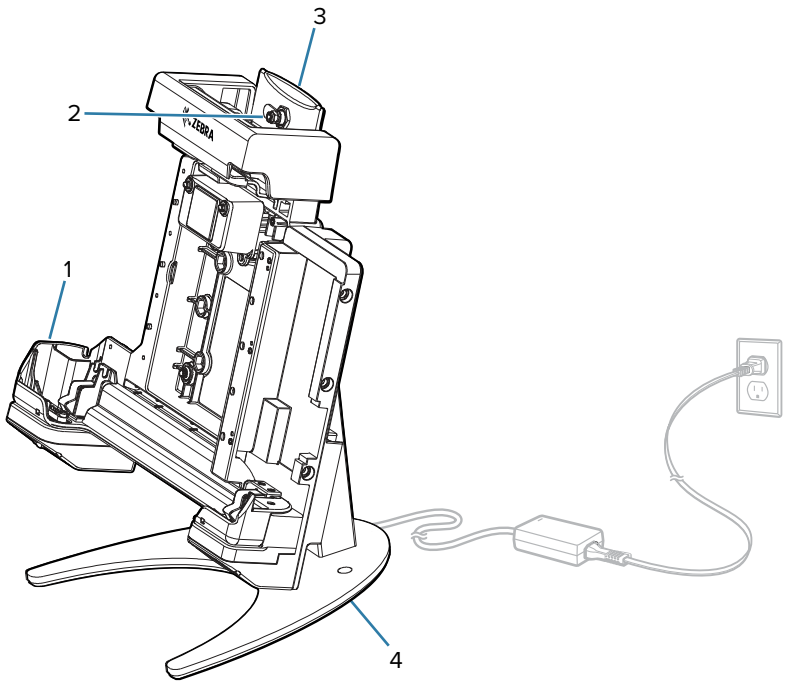
Office Dock

The Office Dock provides:

- Power for operating the device.
- Charging for the device's battery and optional Power Pack installed in an Expansion Back.
- Ports for connecting USB devices, HDMI video output, and Ethernet communication.
- Barrel lock and two keys to secure the tablet to the dock.
- Desktop mount.

Figure 5 Office Dock Setup



1	Power module
2	Barrel lock (two keys included)
3	Lever
4	Desktop mount

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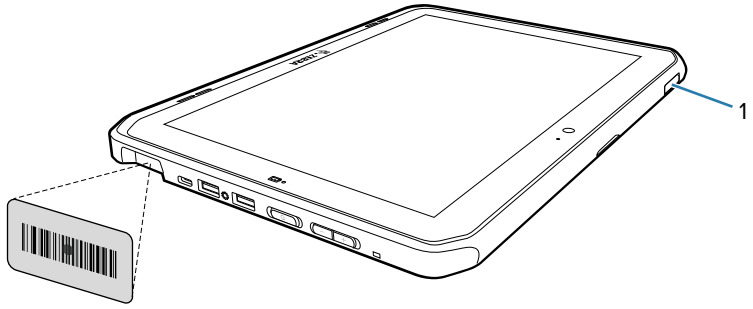
Powering On the Tablet

- Press and hold the Power button for at least one second, then release.

Scanning with Internal Imager

To read a barcode, a scan-enabled app is required.

1. Ensure that an app is open on the tablet and a text field is in focus (text cursor in text field).
2. Point the scanner exit window at a barcode.



1	Scan button

3. Press and hold the Scan button. The aiming pattern turns on to assist in aiming.
4. Ensure the barcode is within the area formed by the aiming pattern. The aiming dot increases visibility in bright lighting conditions.

   A beep sounds to indicate the barcode was decoded successfully. When the Internal Scanner is in Pick List mode, the tablet does not decode the barcode until the aiming dot touches the barcode.

Figure 6 Internal Scanner Aiming Pattern

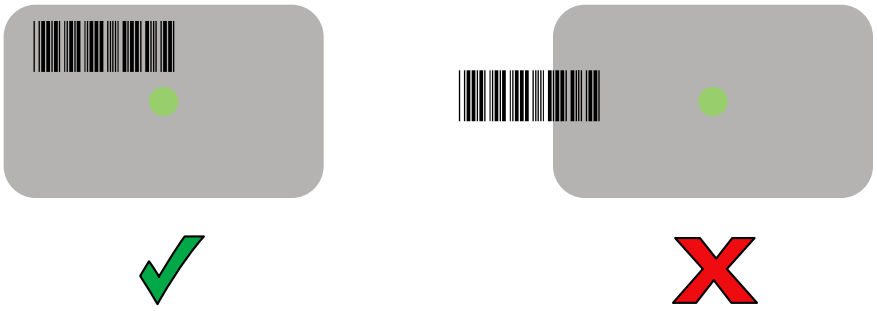


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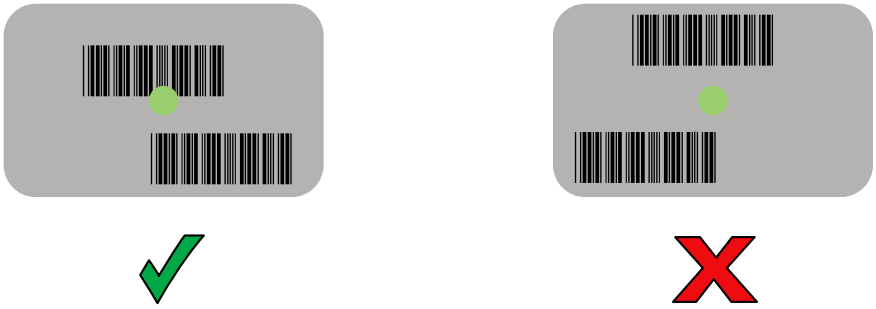
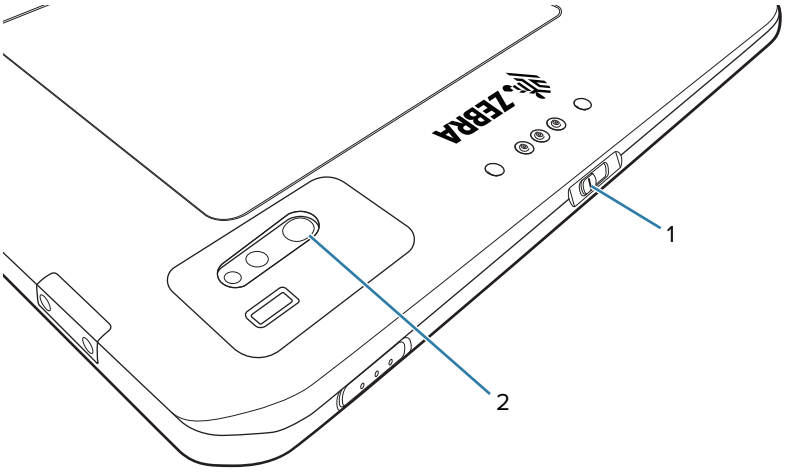
Figure 7 Internal Scanner Pick List Mode with Multiple Barcodes in Aiming Pattern



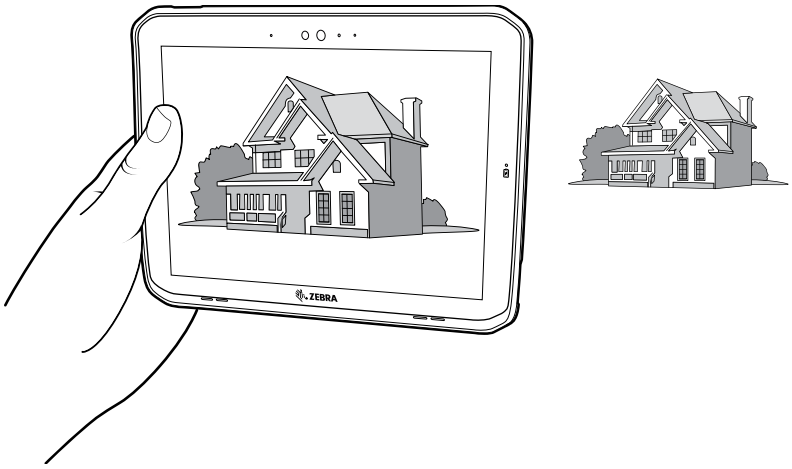
5. Release the scan button. The captured data appears in the text field.

Using the Camera

1. Ensure the front camera privacy cover (1) or rear camera privacy cover (2) is open.



2. Open the camera application. The Camera Indicator LED illuminates.
3. Point the camera at an object.
4. Touch the on-screen shutter button to take a photo or record a video.



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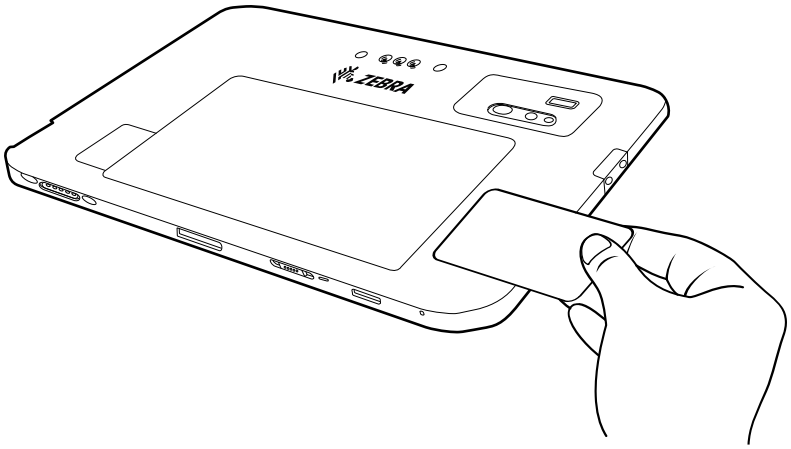
Reading NFC Cards

The tablet supports reading NFC cards. The NFC antenna is located on the back of the tablet under the NFC logo.

With an NFC enabled application open, bring the NFC card toward the antenna. Depending upon the application, an audio or visual indication indicates successful reading of the card.



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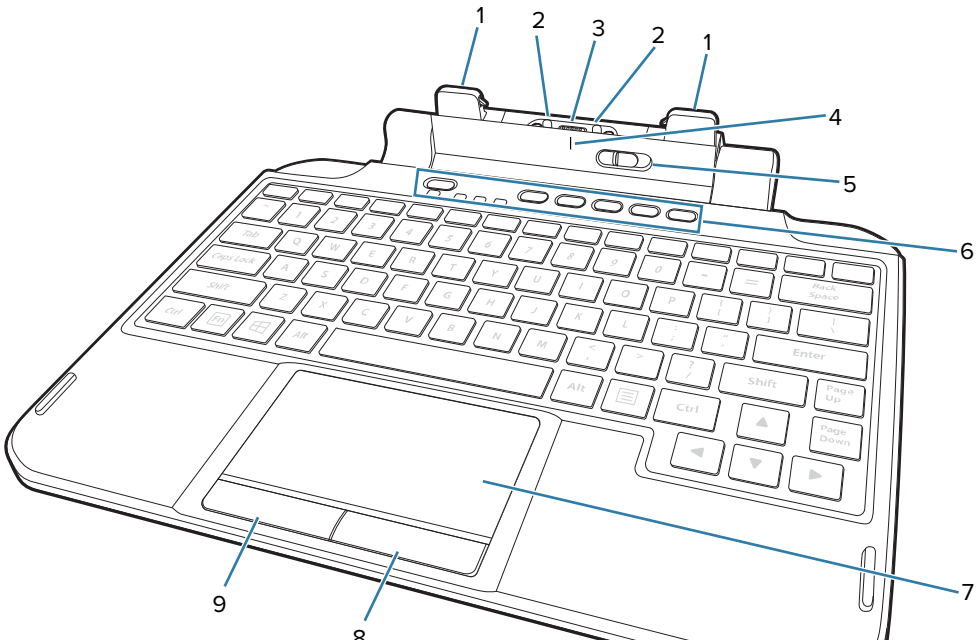
Keyboard

The ET80/ET85 attachable rugged keyboard is a Qwerty keyboard that provides a multi-color backlight and six programmable keys.

For information on configuring the programmable keys, refer to the ET80/ET85 Product Reference Guide.

Figure 8 ET80/ET85 Keyboard Features



1	Keyboard latch	Attaches the keyboard to the tablet.
2	Keyboard alignment pin	Assists in aligning the keyboard with the tablet.
3	Tablet interface connector	Provides power and communication from the tablet.
4	Keyboard alignment marking	Use to assist in aligning the tablet and keyboard.
5	Locking switch	Use to unlock the keyboard from the tablet.
6	Programmable keys	Configure to perform custom actions.
7	Touchpad	Use to move the cursor, scroll, tap, double-tap, drag and drop, and make multiple text selections.
8	Right button	Use to perform right-clicks.
0	Left button	Use to perform left-clicks.

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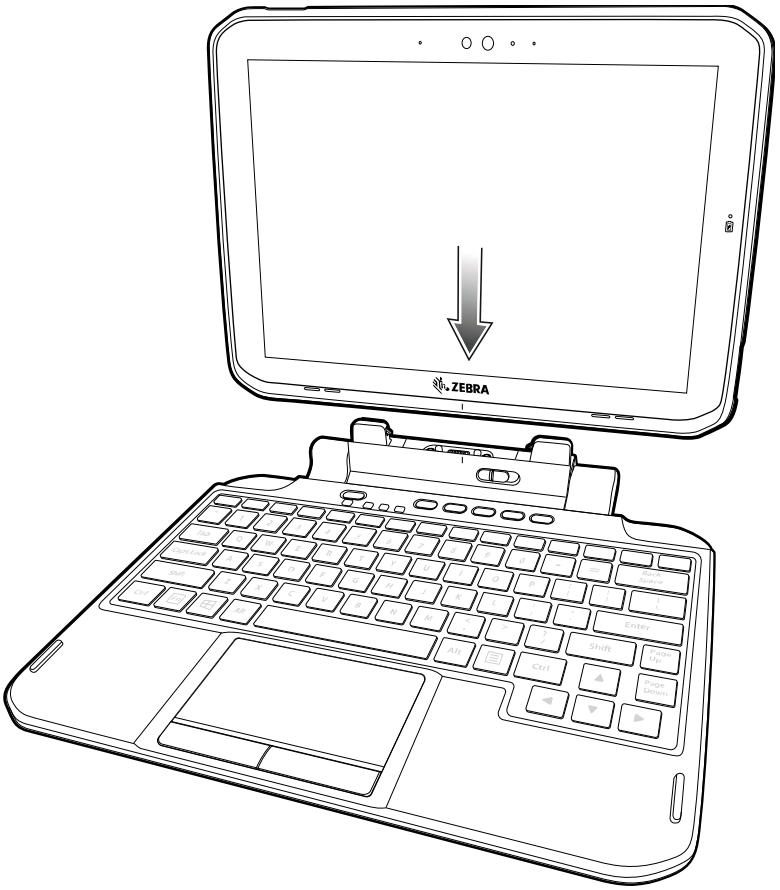
Attaching the Keyboard

1. Place the keyboard on a flat and level surface.
2. Align the keyboard alignment markings on the tablet and keyboard.



3. Gently press the tablet down onto the keyboard until you hear a click.

   When the keyboard is correctly installed, the keyboard locking switch automatically clicks into the lock position and the orange indicator is hidden under the switch.

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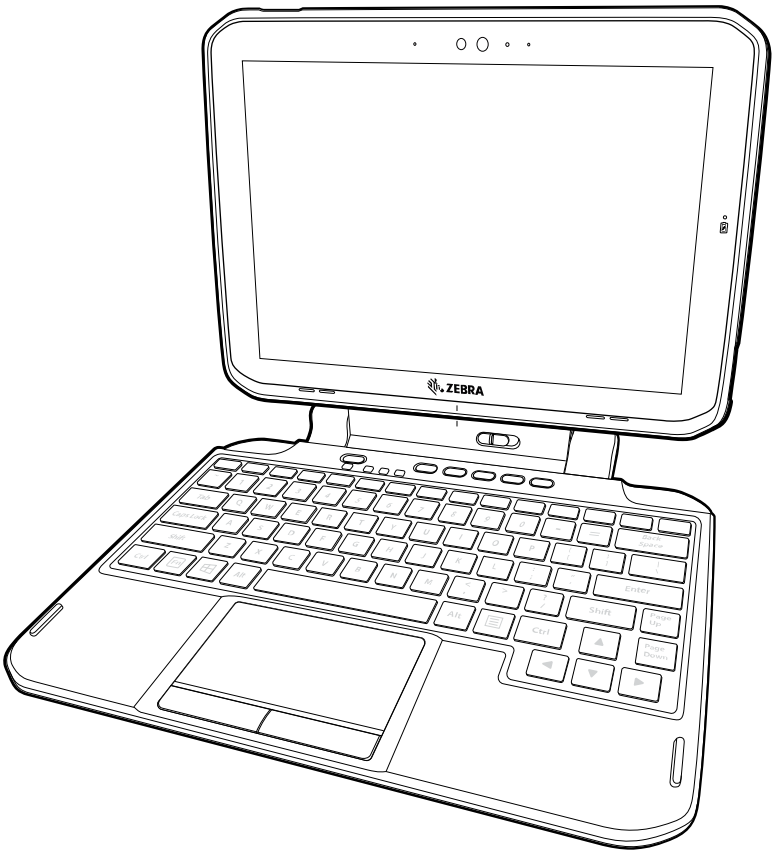
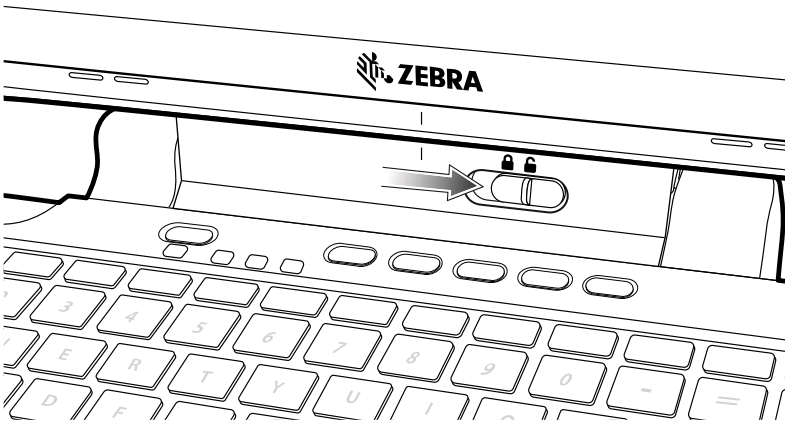
Removing the Keyboard

1. Place the tablet on a flat and level surface.
2. Ensure the keyboard and tablet are in the open position.



3. Release the keyboard by moving the keyboard locking switch to the unlock position.

   When in the unlock position, the orange indicator is visible to the left of the switch.



4. Lift the tablet from the keyboard.

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