

Owner's Manual

Havis Docking Station

For Zebra ET4X 8" Tablet with Zebra's 8" Rugged Boot (Required)
and ET4X 10" Tablet with Zebra's 10" Rugged Boot (Required)

DS-ZEB-300 Series

DS-ZEB-301

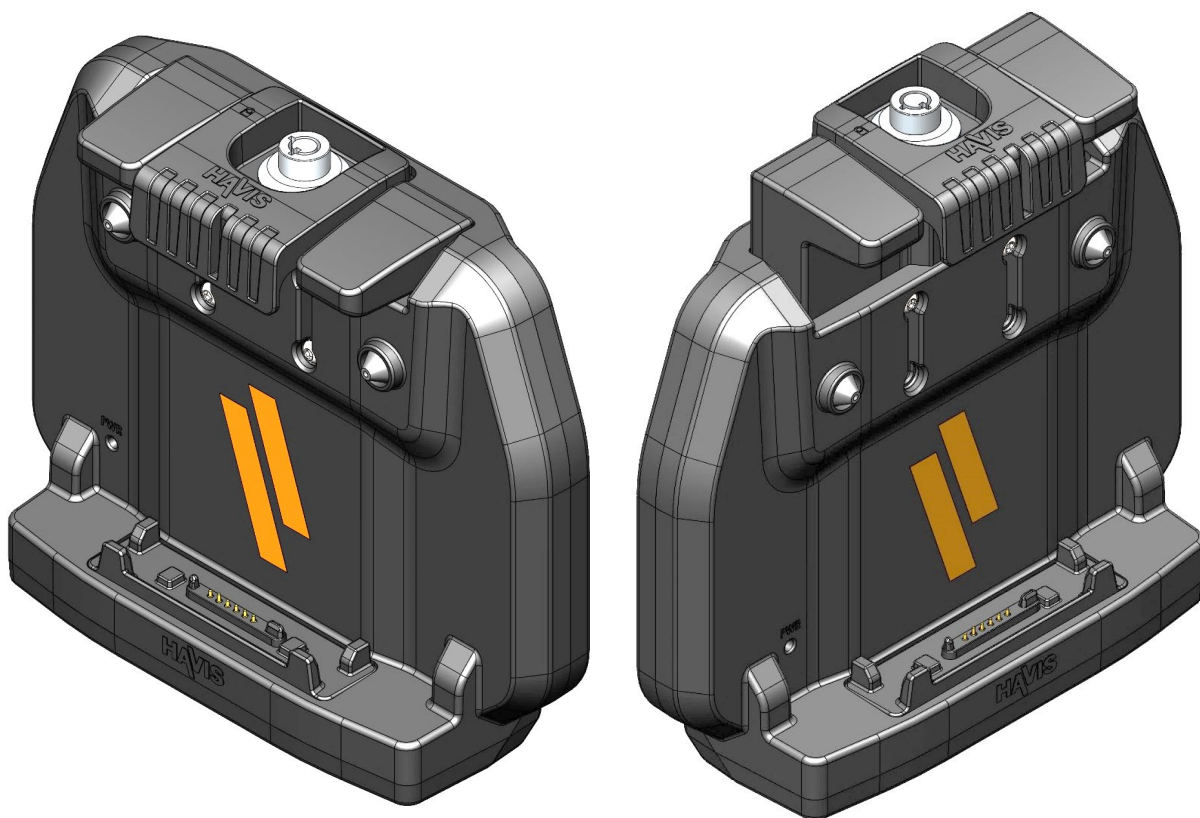
DS-ZEB-301-AC

DS-ZEB-302-ISO

DS-ZEB-303

DS-ZEB-304

DS-ZEB-304-AC



Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-ZEB-300 Series Docking Station for the Zebra ET4X 8" Tablet with Zebra's 8" Rugged Boot (Required), and the Zebra ET4X 10" Tablet with Zebra's 10" Rugged Boot (Required).

For questions regarding the set-up of your DS-ZEB-300 Series Docking Station please contact Havis at 1-800-524-9900 or visit www.havis.com for additional product support and information.

This Owner's Manual applies to the following Product Numbers:

DS-ZEB-301
DS-ZEB-301-AC
DS-ZEB-302-ISO

DS-ZEB-303
DS-ZEB-304
DS-ZEB-304-AC

WARNING

- **NEVER STOW OR MOUNT THE DOCKING STATION DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.**
- **DO NOT USE TABLET WHILE DRIVING.**
- **THE ZEBRA ET4X RUGGED BOOT (EXOSKELETON) IS REQUIRED:**
The DS-ZEB-300 series docking station is only compatible with ZEBRA's ET4X 8" and 10" tablets equipped with Zebra's Compatible 8" Rugged Boot or 10" Rugged Boot installed on their respective devices. The Zebra ET4X tablets must have their respective Rugged Boots installed to ensure safe and proper function of the dock and tablet solution.

CAUTION

- **READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.**
- **DO NOT STORE, INSTALL, OR OPERATE THE DOCKING STATION WHERE WATER, MOISTURE, STEAM, DUST, ETC. ARE PRESENT**
- **FOR THE DS-ZEB-303: DO NOT CONNECT THE TABLET DIRECTLY TO THE VEHICLE VOLTAGE SOURCE:** The Zebra ET4X Tablet requires a certified Zebra approved power source. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.

Precautions

- Do not place metal objects or containers of liquid on top of the Docking Station.
- If a malfunction occurs, immediately unplug the Power Supply and remove the tablet.
- Use only the specified Power Supply Cable with this Docking Station (DS-DA-317 or DS-DA-336).
- Do not connect cables into ports other than what they are specified for.
- Do not leave the Docking Station in a high temperature environment (greater than 85°C, 185°F) for a long period of time.

DS-ZEB-300 Series Specifications

	DS-ZEB-301 & DS-ZEB-304	DS-ZEB-301-AC & DS-ZEB-304-AC	DS-ZEB-302-ISO
Power Supply Input	9-36V DC-In*	12V DC-In	18-75V DC-In**
Dimensions 8" Configuration	7.221" (211.0 mm) H x 8.630" (219.0 mm) W x 2.895" (74.0 mm) D		
Dimensions 10" Configuration	8.321" (211.0 mm) H x 8.630" (219.0 mm) W x 2.895" (74.0 mm) D		
Weight	1.86 lbs. (0.845 kg)		

* DS-ZEB-300 Series docks configured for 9-36V DC Input have a fuse rated at 6.3A.

** DS-ZEB-300 Series docks configured for 18-75V DC Input have a fuse rated at 10A.

	DS-ZEB-300 SERIES DOCK	ZEBRA ET4X 8" & 10" TABLET
Operating Environment	-4° F to 122° F (-20° C to 50° C)	-4° F to 122° F (-20° C to 50° C)
Storage Environment	-40° F to 185° F (-40° C to 85° C)	-40° F to 158° F (-40° C to 70° C)

Certifications

CAN ICES-003 (B)/NMB-003(B)

FCC 47CFR, Part 15 compliance: This is an FCC Class B device. Any changes or modifications to the model DS-ZEB-30X not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

ATTENTION: Use only with the appropriate input rating. This device complies with Part 15B 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.

EU DECLARATION OF CONFORMITY [CWN1]

Manufacturers Name: Havis, Inc.

Manufacturers Addresses: 75 Jacksonville Road, Warminster, PA, 18974, USA

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Product name: Havis Docking Station for Zebra ET4X 8" Tablet with Zebra's Rugged Boot and Zebra ET4X 10" Tablet with Zebra's Rugged Boot

Model: DS-ZEB-30X, where 'X' may be any alphanumeric character and which describes product options. May be followed by any alphanumeric characters which describe product options.

Product Options: This declaration covers all options of the above product which bear the RoHS or CE Marking.

Is in conformity with the following directives, standards, or other normative documents:

RoHS Directive 2011/65/EU EN 50581:2012, "Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances"

The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and [CWN2] of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

UKCA DECLARATION OF CONFORMITY

Manufacturers Name: Havis, Inc.

Manufacturers Addresses: 75 Jacksonville Road, Warminster, PA, 18974, USA

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Product name: Havis Docking Station for Zebra ET4X 8" Tablet With Zebra's Rugged Boot and Zebra ET4X 10" Tablet with Zebra's Rugged Boot

Model: DS-ZEB-30X, where 'X' may be any alphanumeric character and which describes product options. May be followed by any alphanumeric characters which describe product options.

Product Options: This declaration covers all options of the above product which bear the RoHS or UKCA Marking.

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

BS EN 63000:2018, "Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances"

Supplementary Information:

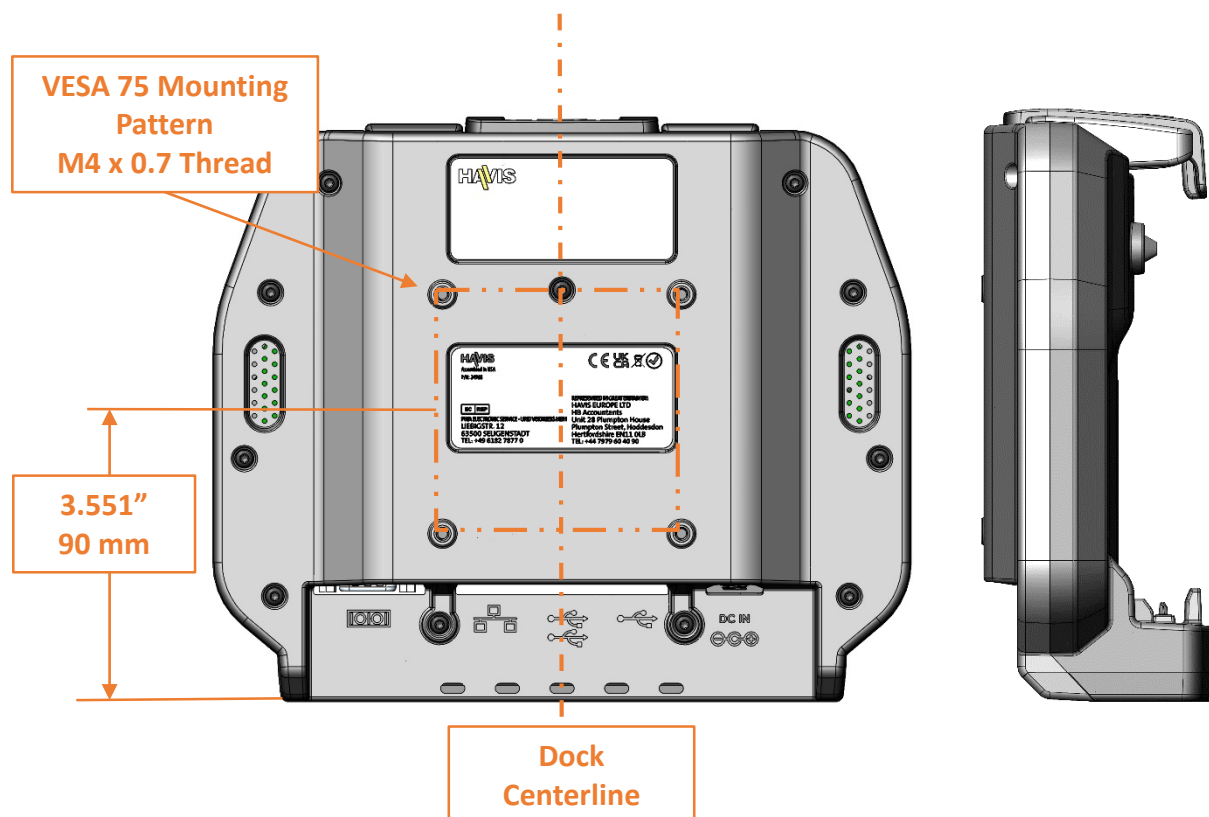
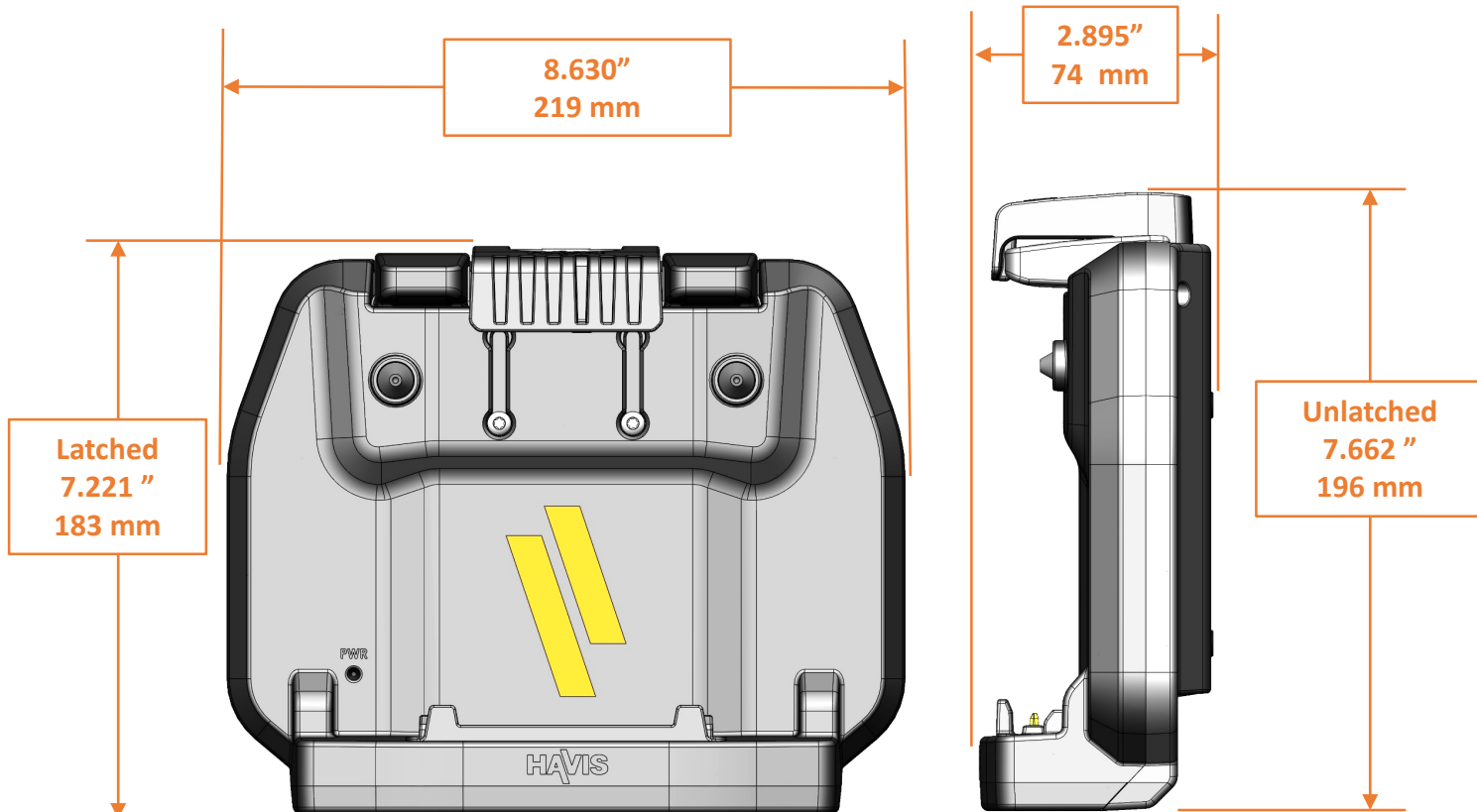
The object of the declarations described above is in conformity with the relevant Union harmonization legislation.

This product requires the use of a recommended E Marked automotive power supply when used within vehicles.

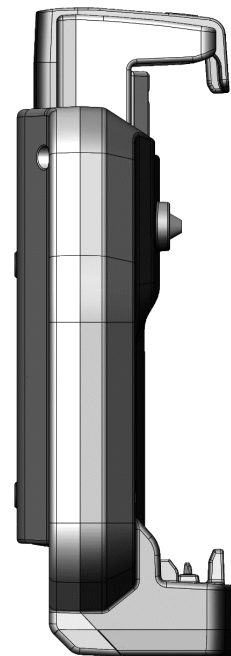
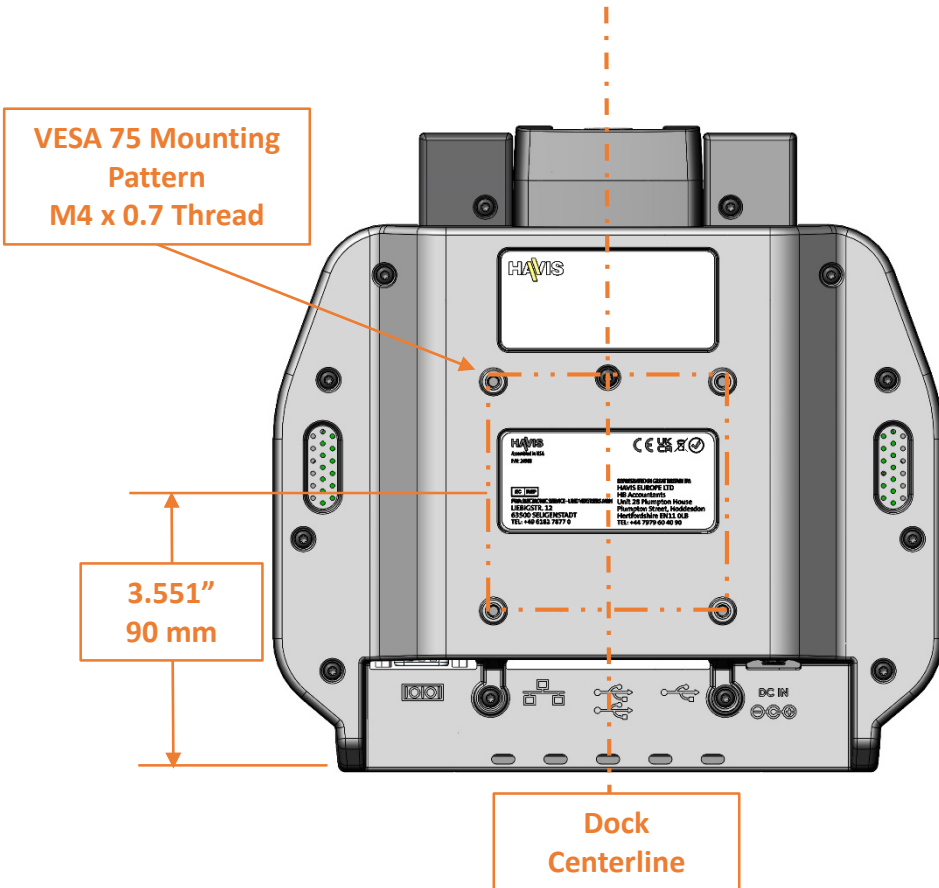
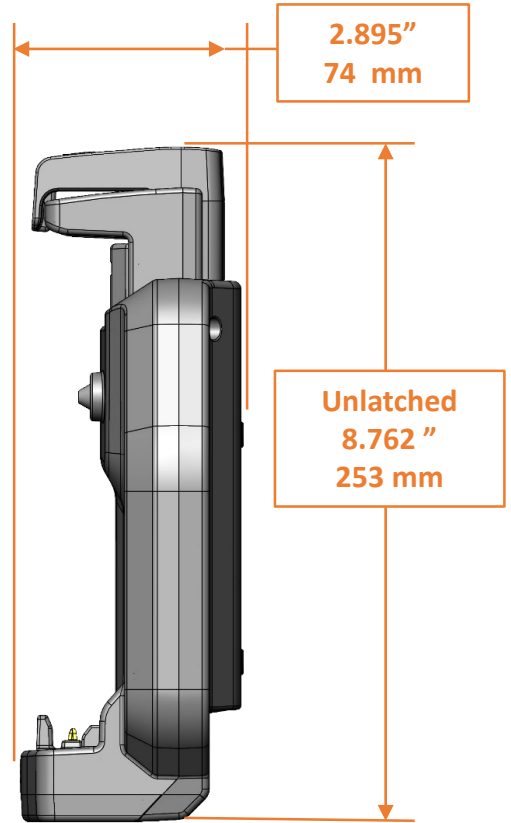
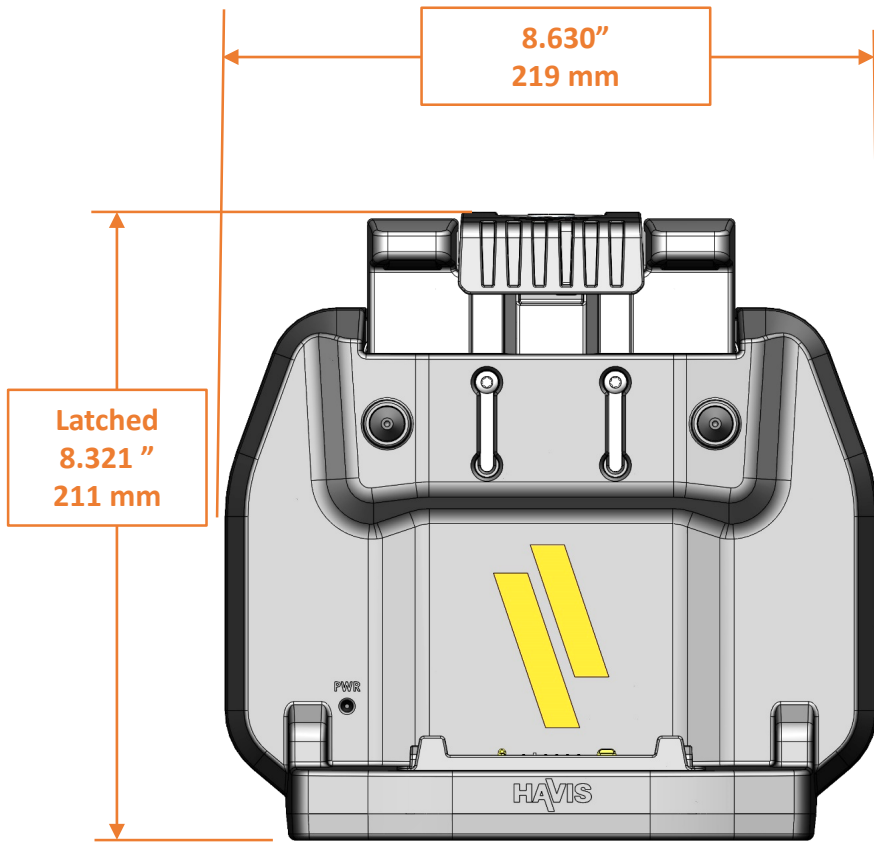
Signed for and on behalf of Havis, Inc.:

75 Jacksonville Road, Warminster, PA, 18974, USA, June, 28 2023 Stephen Telesco, Director of Engineering, Havis, Inc.

DS-ZEB-300 SERIES 8" CONFIGURATION SIZE SPECIFICATIONS

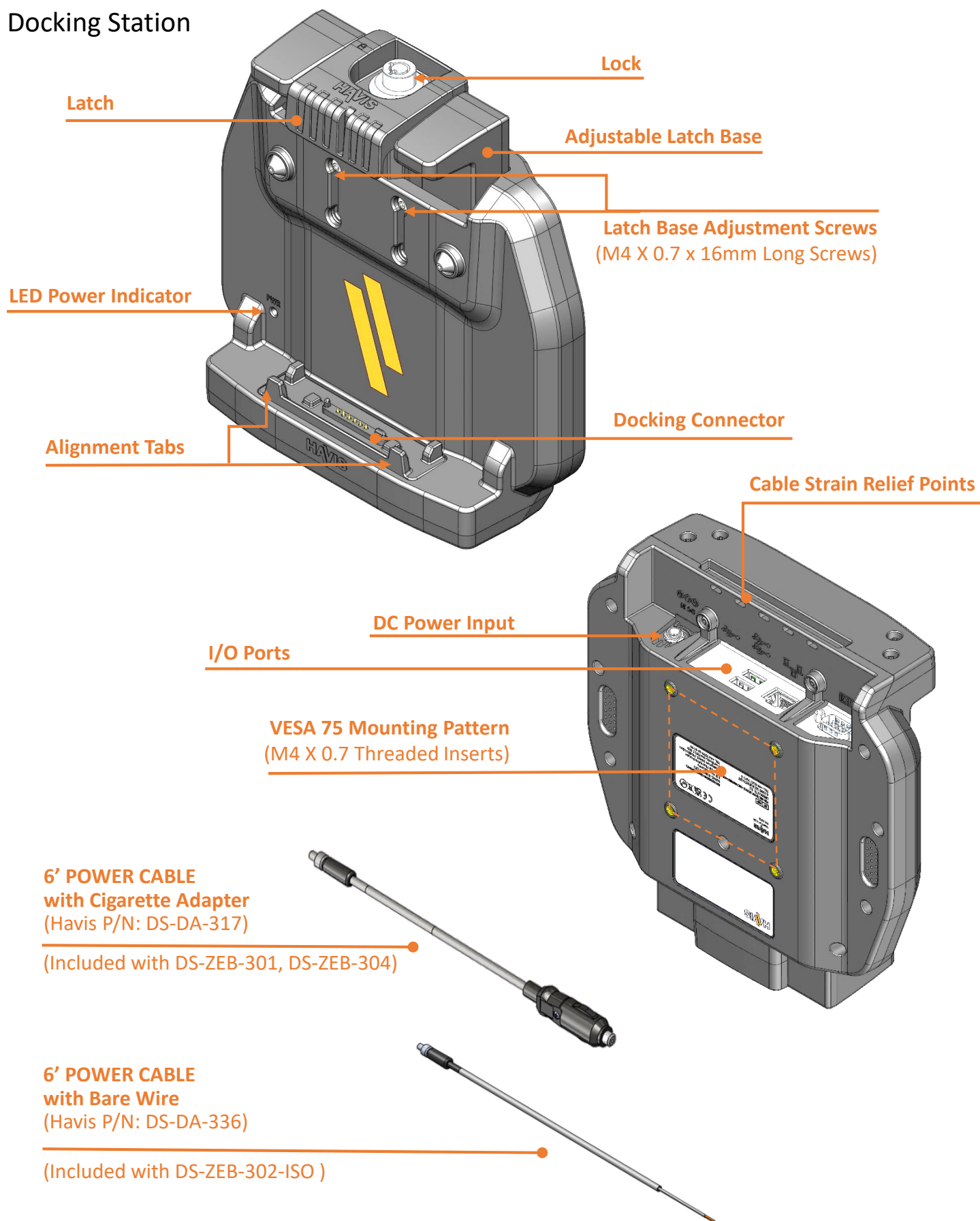


DS-ZEB-300 SERIES 10" CONFIGURATION SIZE SPECIFICATIONS



Parts Included

Docking Station



Parts Included (continued)

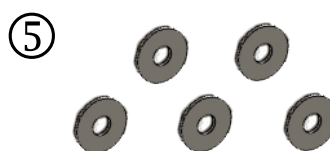
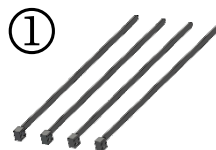
Hardware Kit (HWK-0031)

This Hardware Kit includes:

1. Zip Ties (4)
2. Keys (2)
3. M4 x 0.7 x 20mm long Pan Head Screws (5)
4. Split Lock Washers (5)
5. Washers, M4 (5)

Tools required for installation:

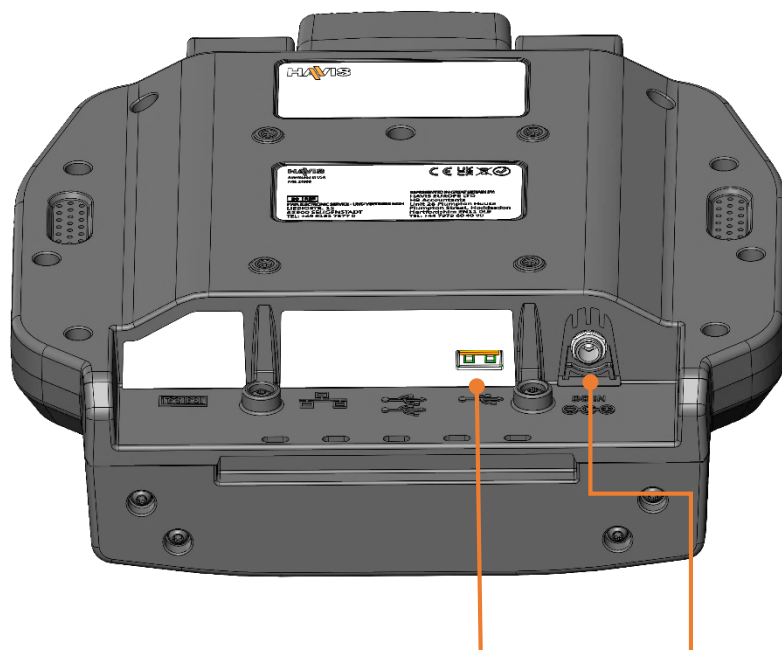
- #2 Phillips (For M4 Pan Head Screws)



Port Replication Capability

STANDARD I/O

DS-ZEB-301, DS-ZEB-301-AC, DS-ZEB-302-ISO



USB 2.0

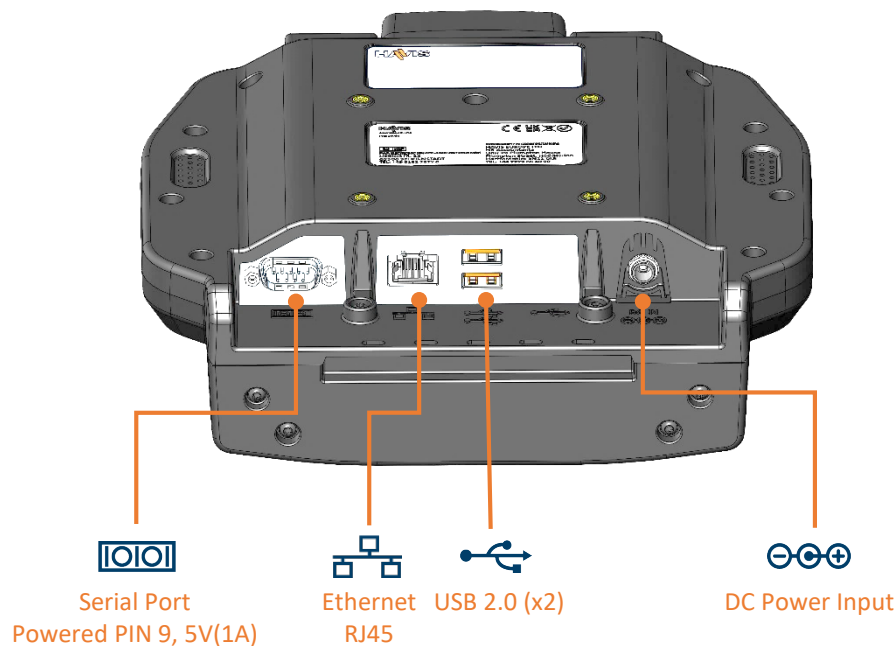


DC Power Input

Port Replication Capability *(continued)*

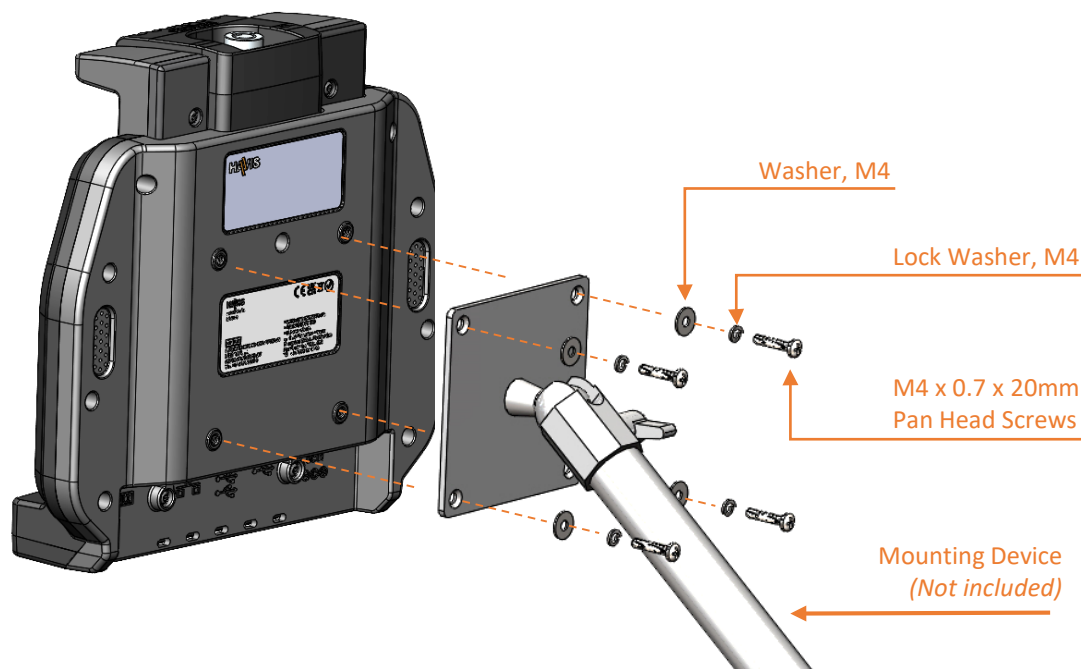
ADVANCED I/O

DS-ZEB-304, DS-ZEB-304-AC



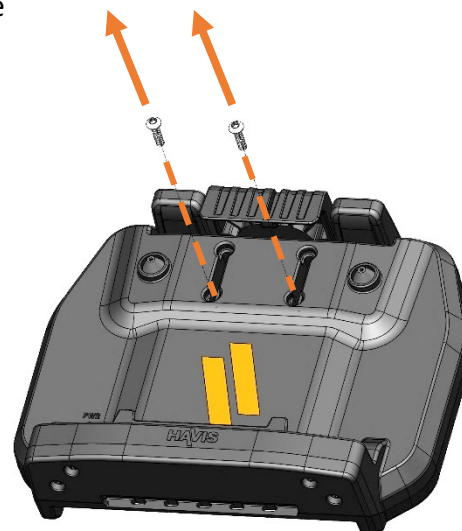
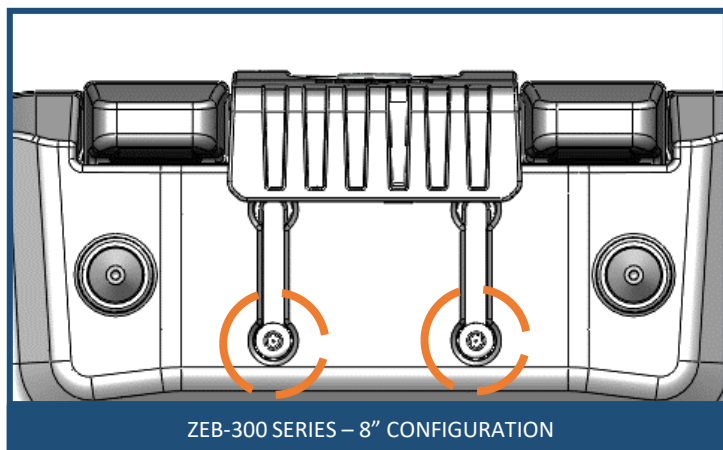
Installation

Align Docking Station mounting holes with the hole pattern on mounting device. Using the four (4) M4 0.7 x 20mm Pan Head Screws (Hardware Kit Item 3), four (4) Washers, M4 (Hardware Kit Item 5), and four (4) Lock Washers, M4 (Hardware Kit Item 4), secure the Docking Station to device. Torque screws to 20 in-lbs (2.3Nm) \pm 10%

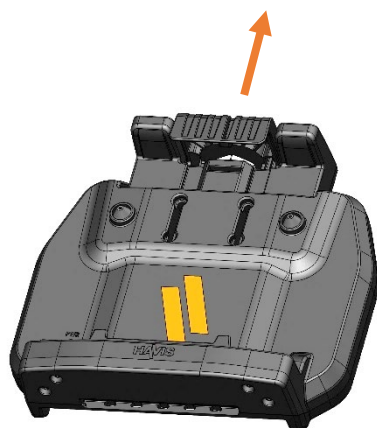


ADJUSTING THE LATCH BASE

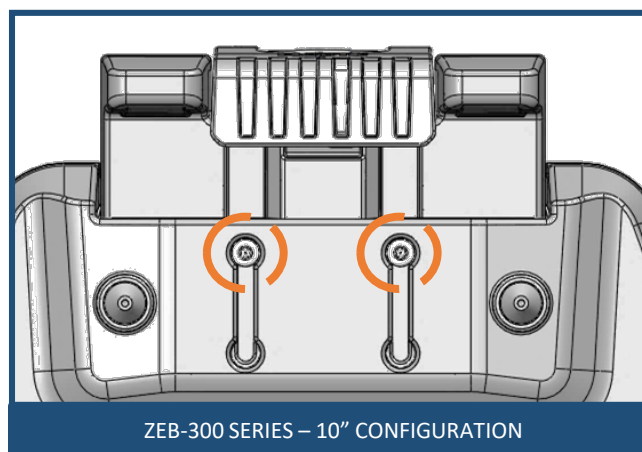
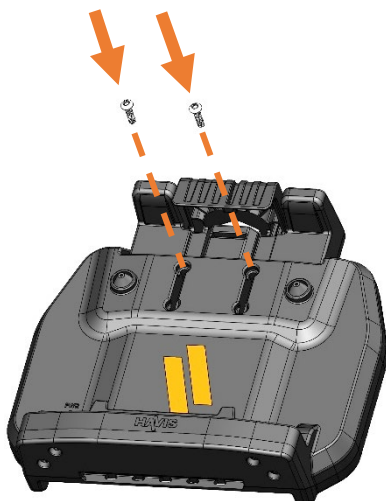
1. Remove the two M4x0.7 machine screws using a T20 Torx Drive



2. Extend the Latch Base to the 10" configuration.



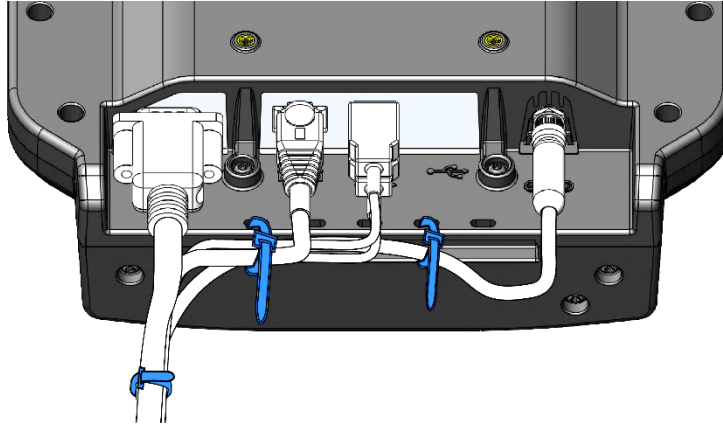
3. Reinstall the two Machine Screws and torque the screws to 20 in-lbs. (2.3Nm) \pm 10%. **DO NOT over tighten the two screws.**



4. Follow the same steps above to collapse the Latch Base back down to the 8" configuration. Remove the two screws, collapse the Latch Base down completely, and secure the position by reinstalling the screws and torque them to 20 in-lbs. (2.3Nm) \pm 10%.

Cable Management

- 1) Tip the Docking Station to a position that is comfortable to work with.
- 2) Install all cables that are necessary for computing needs.
- 3) Use Zip Ties (Hardware Kit Item 1) and the Strain Relief Points to secure cables and reduce risk of accidental disconnects and damage.



- 4) Create a service loop with cables to ensure that no tension is on the connectors and to enable intended motion.
- 5) Tie off cables onto a stationary part of the mounting system.

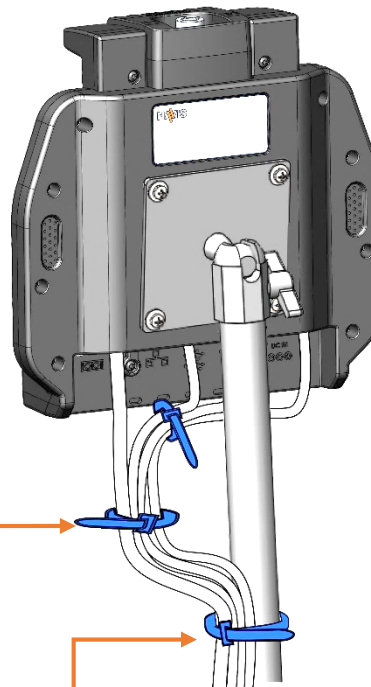
4

This loop must be large enough to allow full range of expected rotation and extension without stressing connections.

5

Collect cables to secure to the mounting system.

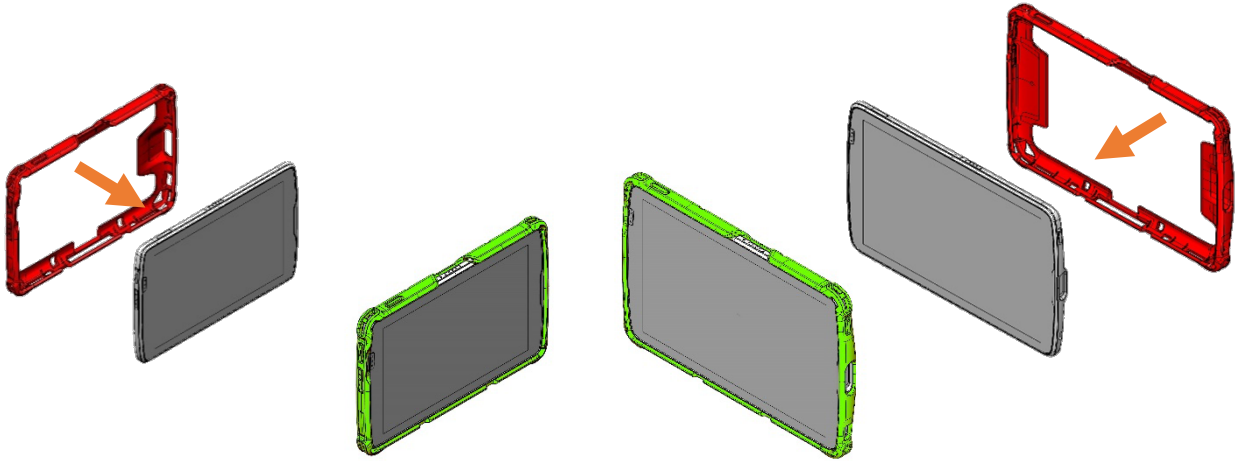
(Note: mounting system not included)



Operation - Docking

⚠ WARNING

THE ZEBRA ET4X RUGGED BOOT (EXOSKELETON) FOR THE 8" AND/OR 10" ZEBRA ET4X TABLET DEVICE MUST BE INSTALLED ONTO THE TABLET PRIOR TO DOCKING AND OPERATION. RUGGED BOOT (EXOSKELETON) IS REQUIRED TO ENSURE SAFE AND PROPER FUNCTION OF THE DOCK AND TABLET SOLUTION.

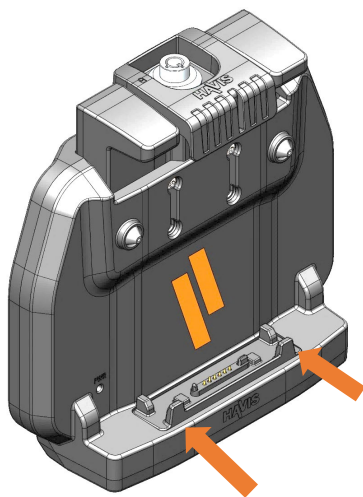


ZEBRA ET4X 8" AND 10" TABLETS WITH
RUGGED EXOSKELETON (FRAME) INSTALLED

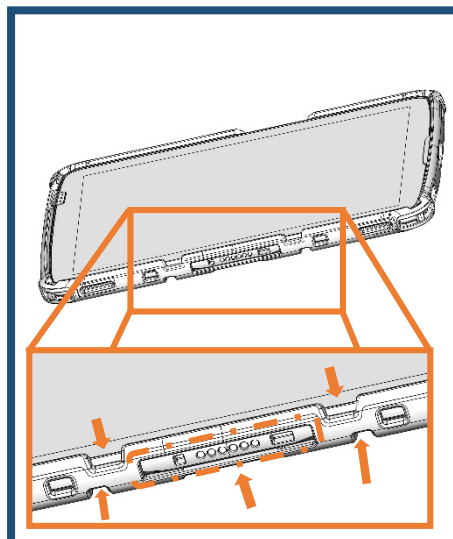
⚠ CAUTION

DO NOT FORCE TABLET ONTO DOCKING STATION. IF THERE IS RESISTANCE, CHECK ALIGNMENT OF TABLET ON DOCKING STATION.

NOTE: Ensure a proper connection by aligning the Tablet's Pockets in the Rugged Boot with the Docking Station's Alignment Posts



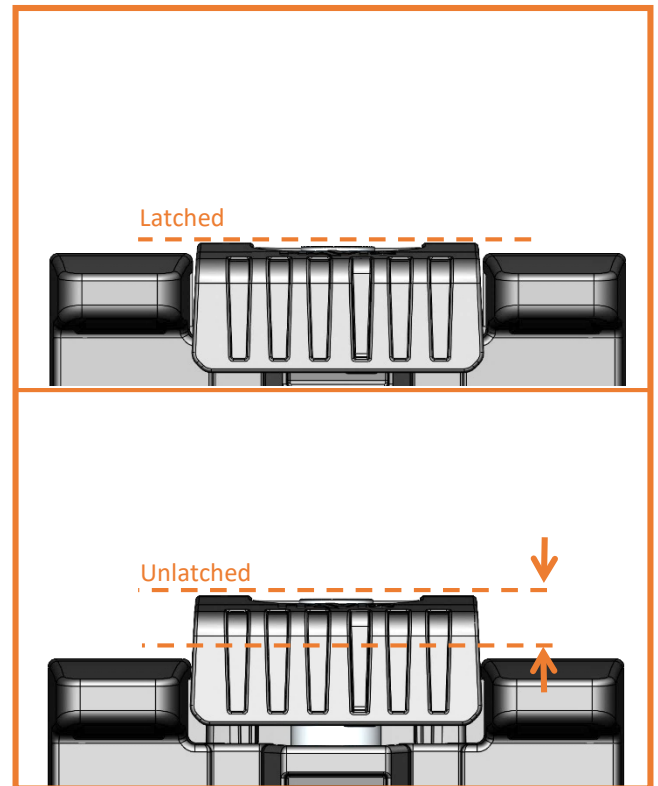
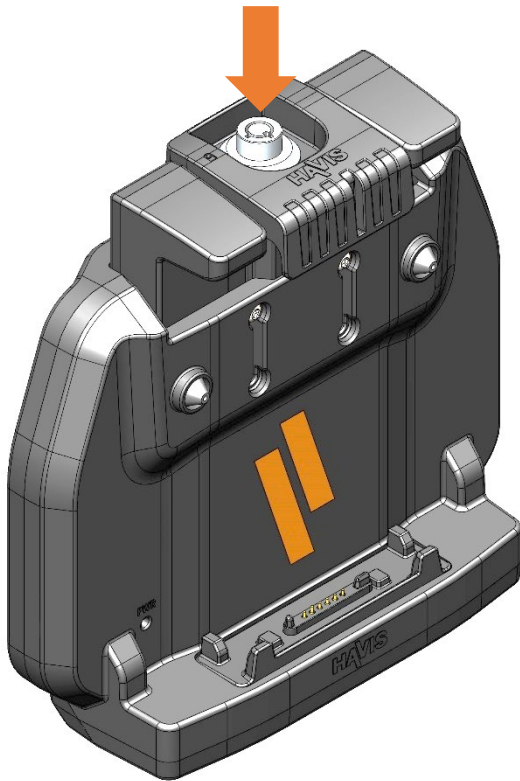
Alignment Posts on the DS-ZEB-300 Series
Docking Station



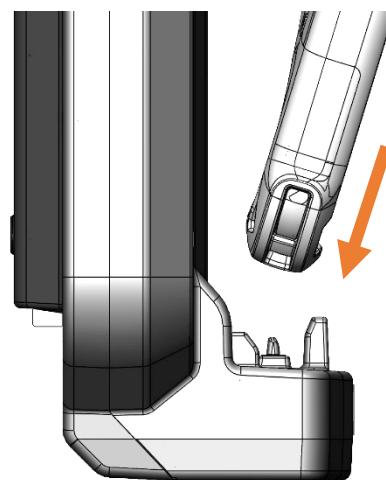
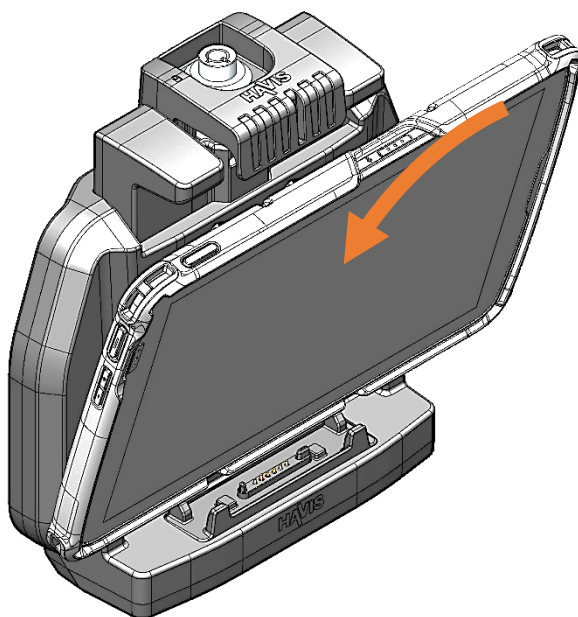
Alignment Sockets on the bottom of
ZEBRA ET4X Tablet with Rugged Frame.

Operation - Docking

- 1) Docking Station must be unlatched before docking your tablet. Push down on the Lock button and release slowly.



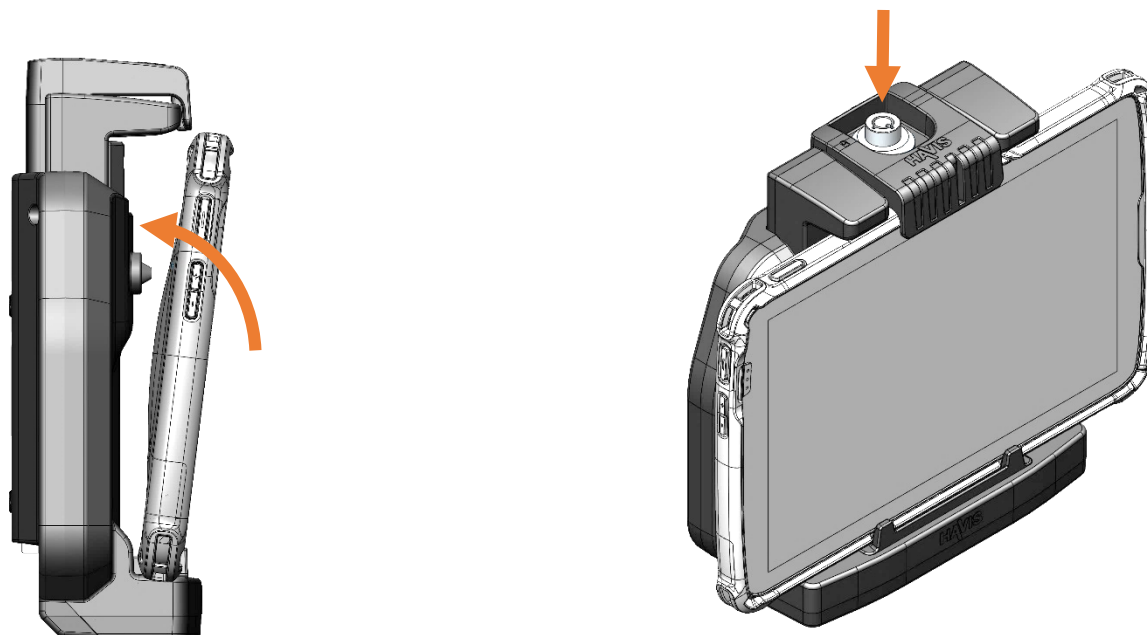
- 2) Hold the tablet in landscape orientation with the touchscreen facing out. Ensure the Tablet's I/O and alignment pockets on the tablet are angled toward the Docking Station. Lower the tablet onto the docking connector.



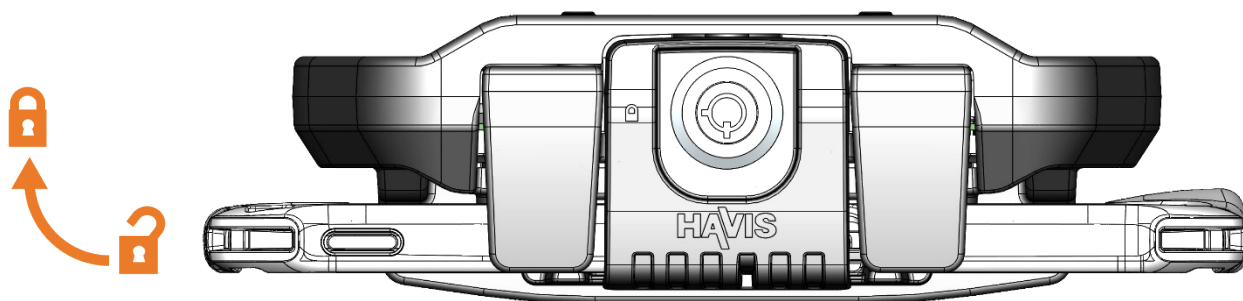
SIDE VIEW

Operation - Docking

- 3) Place the tablet into the Docking Station and hold while pressing the Latch Handle to secure the tablet in place. You will hear an audible click when Latch Hook is fully engaged. Tug up on the latch to ensure it is fully engaged.

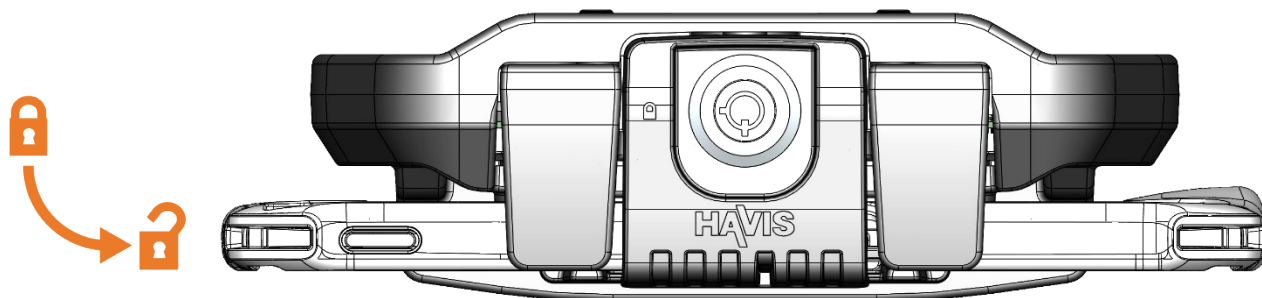


- 4) For theft deterrence, secure tablet by locking the Docking Station with supplied key (Hardware Kit Item 2).

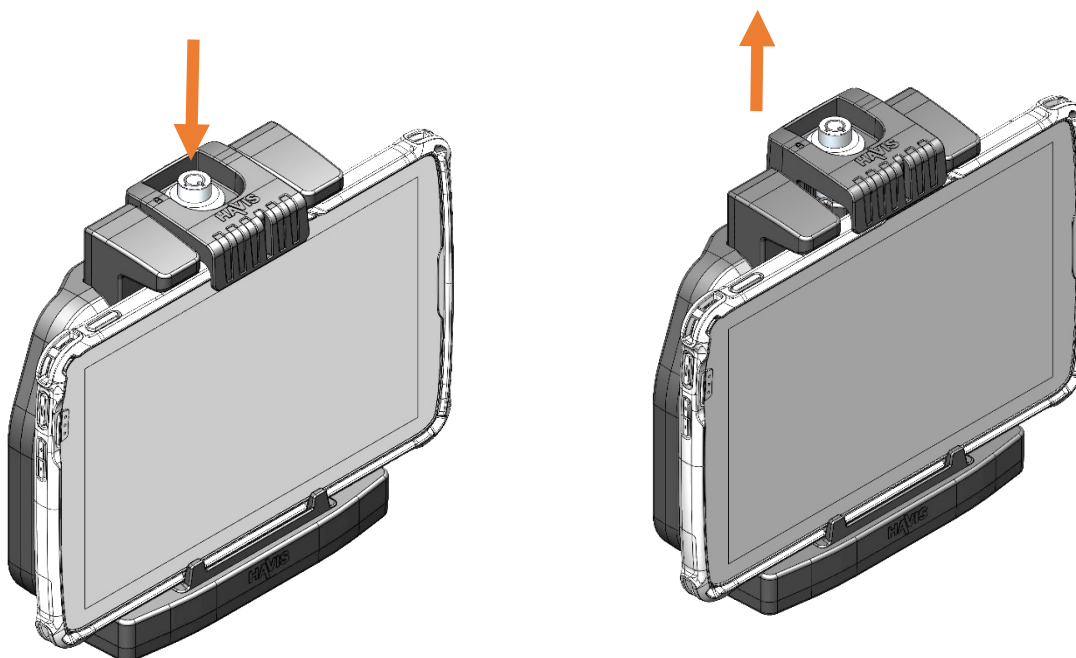


Operation - Undocking

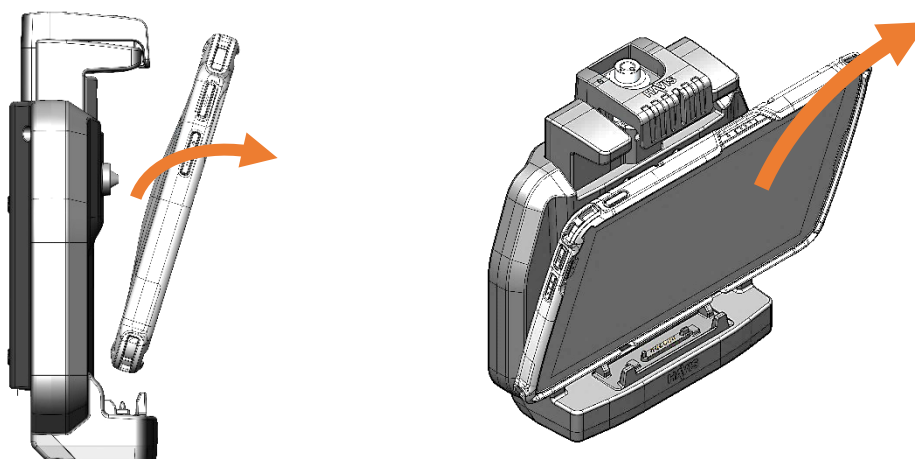
- 1) If previously locked, unlock the Docking Station using supplied key.



- 2) Secure tablet to avoid inadvertent ejection from Docking Station. Push down on the Lock button and release quickly taking care not to obstruct the travel of the Latch Hook. If the Latch Hook does not extend fully to its unlatched position, lift up lightly on the front of the Latch Hook to fully release.



- 3) Once unlatched, pull the tablet forward and carefully lift out of Docking Station.



Related Products

Havis offers a wide variety of accessory products specifically for use with your Docking Station. For more information or to order, please visit www.havis.com.



LPS-174

60W ISOLATED POWER SUPPLY, 10-32V DC INPUT

Isolated power supply with 72" hardwired, bare-wire input cable, and 72" output cable with threaded Switchcraft connector.



LPS-175

60 W, USB-C, DC POWER ADAPTER FOR DS-ZEB-103, DS-ZEB-203, AND DS-ZEB-303 CRADLES

60 Watt power supply with 72" cigarette adapter input cable and hardwired 36" USB-C output cable.



LPS-193

60W ISOLATED POWER SUPPLY, 20-60V DC INPUT

Isolated power supply with 72" hardwired, bare-wire input cable, and 72" output cable with threaded Switchcraft connector.



DS-DA-317

Replacement Power Cable with Switchcraft Connector and Cigarette Adapter

6' long power cable with threaded Switchcraft connector and cigarette adapter.



DS-DA-336

Replacement Power Cable with Switchcraft Connector and Bare-wire Leads

6' long power cable with threaded Switchcraft connector, and bare-wire cables for hardwired installations.



DS-DA-502

Replacement Keys

Set of two (2) replacement keys.



LPS-167

AC POWER SUPPLY WITH SWITCHCRAFT CONNECTOR

100-240 VAC, 12V DC 60W Output with hardwired Switchcraft Connector, 761K.