Owner's Manual
Havis Docking Station
For Panasonic TOUGHBOOK L1 and TOUGHBOOK S1 Tablets

DS-PAN-1300 Series

DS-PAN-1301   DS-PAN-1302   DS-PAN-1303

DS-PAN-1301-2   DS-PAN-1302-2   DS-PAN-1306

Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974

Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the
DS-PAN-1300 Series Docking Station for the Panasonic TOUGHBOOK L1 and TOUGHBOOK S1 Tablets.
For questions regarding the set-up of your DS-PAN-1300 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 Part Numbers:

DS-PAN-1301   DS-PAN-1302   DS-PAN-1303
DS-PAN-1301-2   DS-PAN-1302-2   DS-PAN-1306

⚠WARNING

- **NEVER STOW OR MOUNT THE DOCKING STATION DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.**
- **DO NOT USE COMPUTER WHILE DRIVING.**

⚠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**
- **DO NOT DOCK OR UNDOCK YOUR COMPUTER UNLESS IT IS POWERED OFF. DOCKING OR UNDOCKING WITH YOUR COMPUTER IN ON, STANDBY, HIBERNATION, OR SLEEP MODES CAN CAUSE PERMANENT DAMAGE.**
- **FOR THE DS-PAN-1301 & DS-PAN-1301-2 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Panasonic approved 10W power source rated for a continuous, regulated 5 VDC output (*Havis Part Number LPS-160 or equivalent*). Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.**
- **FOR THE DS-PAN-1303 DOCKING STATION: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: The Panasonic TOUGHBOOK L1 and TOUGHBOOK S1 Tablets require a certified, Panasonic approved power source rated for a continuous, regulated 5 VDC output. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.**
- **DO NOT DOCK TABLET IN REVERSE POSITION, DOING SO CAN CAUSE PERMANENT DAMAGE.**

NOTICE

- **FOR DOCKING STATION MODELS EQUIPPED WITH A BUNDLED POWER SUPPLY (DS-PAN-1302, DS-PAN-1302-2, & DS-PAN-1306) REFER TO THE SUPPLIED LIND POWER SUPPLY REFERENCE GUIDE.**
- **WHEN TABLET IS DOCKED, THE BATTERY WILL ONLY CHARGE BETWEEN 10°C to 35°C (50°F to 95°F).
  PLEASE REFER TO PANASONIC TOUGHBOOK L1 AND TOUGHBOOK S1 OWNER'S MANUALS FOR MORE INFORMATION.**

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 laptop
- Use only the specified Power Supply (Part # LPS-160) with this Docking Station
- 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 60°C, 140°F) for a long period of time

Specifications

Docking Station Power Input	5 V DC-IN*
Dimensions	7.08" (17.98 cm) H x 7.89" (20.04 cm) W x 2.45" (6.22 cm) D
Weight	0.98 lbs. (0.45 kg)
Operating Environment	-10° C to 50° C (14° F to 122° F)
Storage Environment	-30° C to 60° C (-22° F to 140° F)

* A DC – DC power supply is required to convert from vehicle power to the 5 V Input to Docking Station
(refer to CAUTION section on page 2 for more information)

EC DECLARATION OF CONFORMITY in accordance with EN 50498

Manufacturers Name: Havis, Inc.
Manufacturers Address: 75 Jacksonville Road, Warminster, PA 18974 USA
Declares under our sole responsibility that the product:
    Product name: Havis Docking Station For Panasonic TOUGHBOOK L1/S1 Tablets Only
    Model: DS-PAN-130X, 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 CE Marking.
Is in conformity with the following standards or other normative documents:
    Automotive EMC Directive   EN 50498:2010, Electromagnetic compatibility (EMC) -
    2004/108/EC: Product family standard for aftermarket electronic equipment in vehicles
    Directive 2011/65/EU   Restriction of the use of certain hazardous substances (RoHS)
Supplementary Information:
The product herewith complies with the requirements of the Automotive EMC Directive 2004/108/EC, Annex I, 6.5, 6.6, 6.8, and 6.9. This product requires the use of a recommended e-Marked automotive power supply when used within vehicles.

Warminster, PA, USA   July 23, 2019   Bruce Jonik, Director of Engineering , Havis, Inc.

Parts Included

Docking Station

Barrel Lock

Latch Handle

Alignment Posts (x2)

Docking Connector

Pass-Through Antenna
(Dual, optional)

Mounting Holes

VESA 75 *(M4 x 0.7mm)*

Strain Relief Points

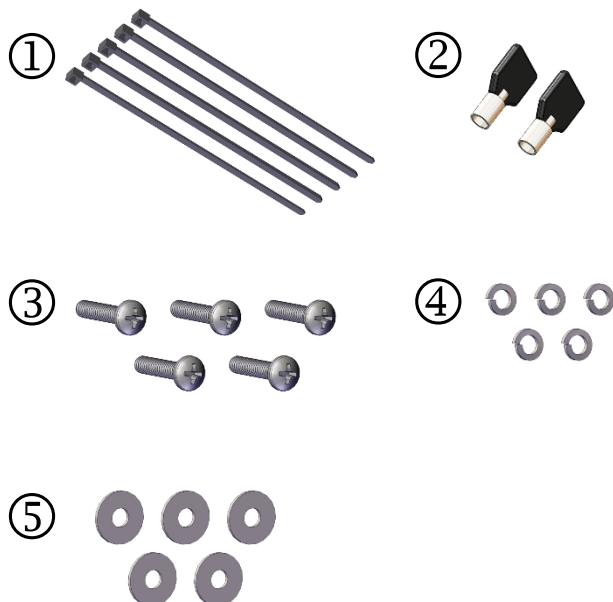**Ports**

Parts Included *(continued)*

Hardware Kit *(HWK-0042)*

This Hardware Kit includes:
1. Zip Ties (5)
2. Keys (2)
3. M4 x 0.7 x 12mm 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)

① ②

③ ④

⑤

Antenna Identification

DS-PAN-1301-2, DS-PAN-1302-2

A – CELLULAR
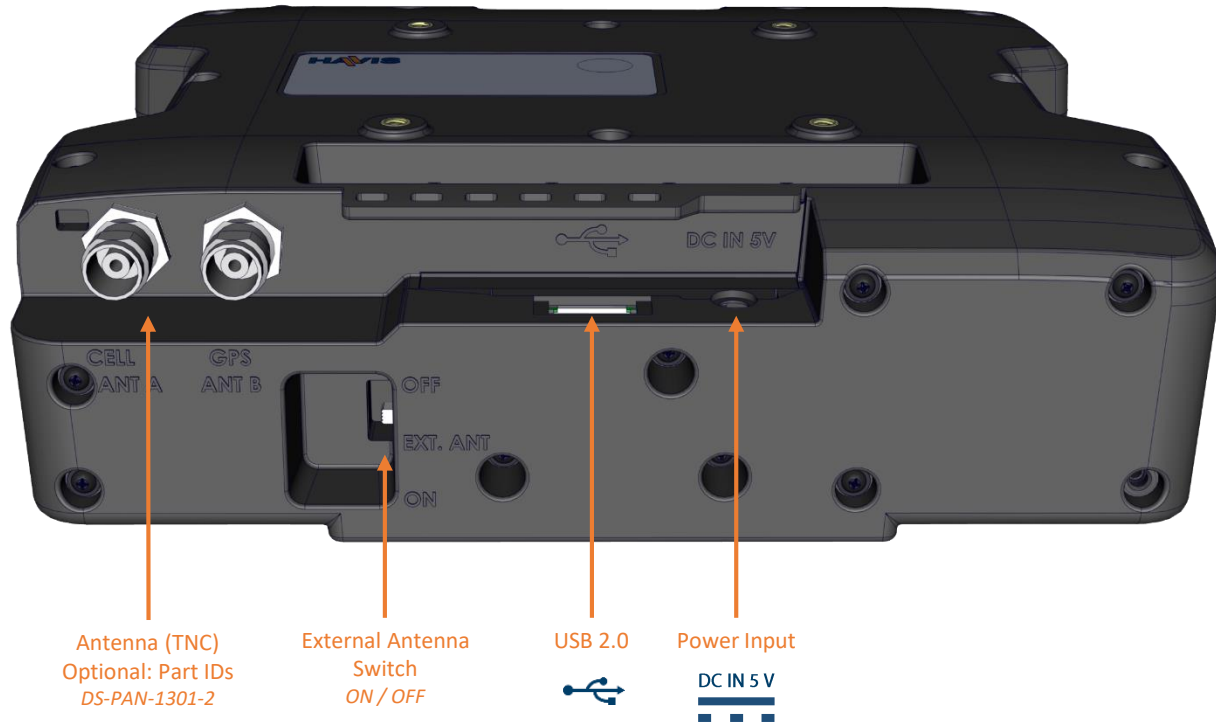**B – GPS**

Antenna Connectors (TNC)

A   B

Tablet Interface

B   A

TOUGHBOOK L1/S1 Tablet

B   A
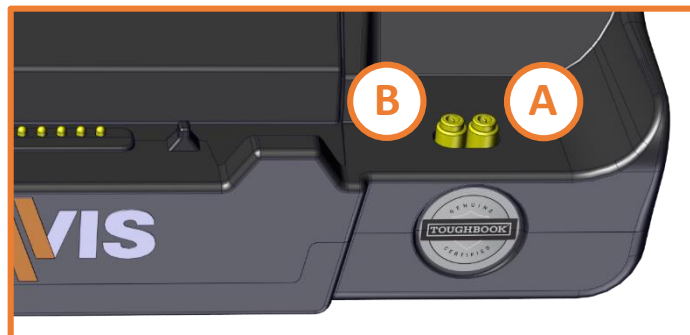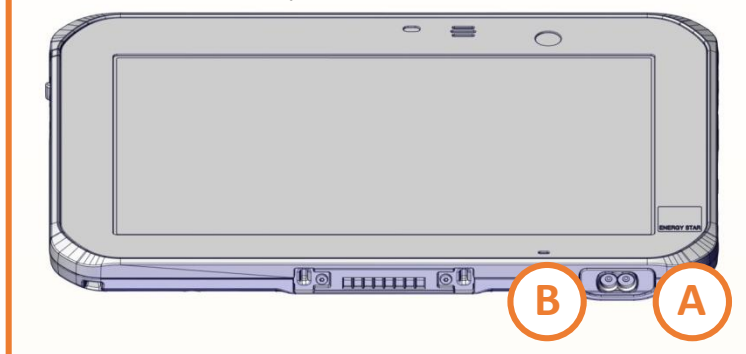
Port Replication Capability

DS-PAN-1301, DS-PAN-1301-2

Antenna (TNC)
Optional: Part IDs
DS-PAN-1301-2

External Antenna
Switch
ON / OFF

USB 2.0

Power Input

DC IN 5 V

Installation

1) Align Docking Station mounting holes with the hole pattern on mounting device. Using the four (4) M4 0.7 x 12mm Pan Head Screws (Hardware Kit Item 3), four (4) Washers, M4 (Hardware Kit Item 4), and four (4) Lock Washers, M4 (Hardware Kit Item 5), secure the Docking Station to device. Torque screws to 20 in-lbs (2.3Nm) ± 10%

**A) Havis Desktop Stand installation (sold separately, Part # DS-DA-218).**

Washer, M4

Lock Washer, M4

M4 x 0.7 x 20mm Pan Head Screws

Desktop Stand *(VESA 75 mm)*
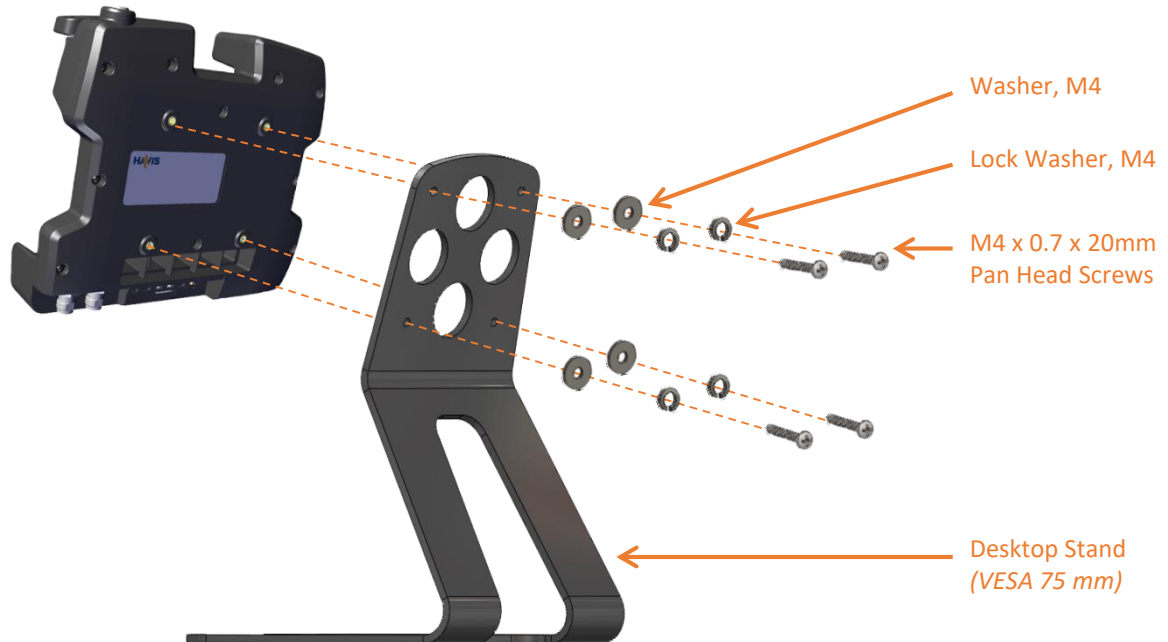
B) In-Vehicle mounting system installation (not included).

Washer, M4

Lock Washer, M4

M4 x 0.7 x 20mm Pan Head Screws

Mounting Device *(Not included)*
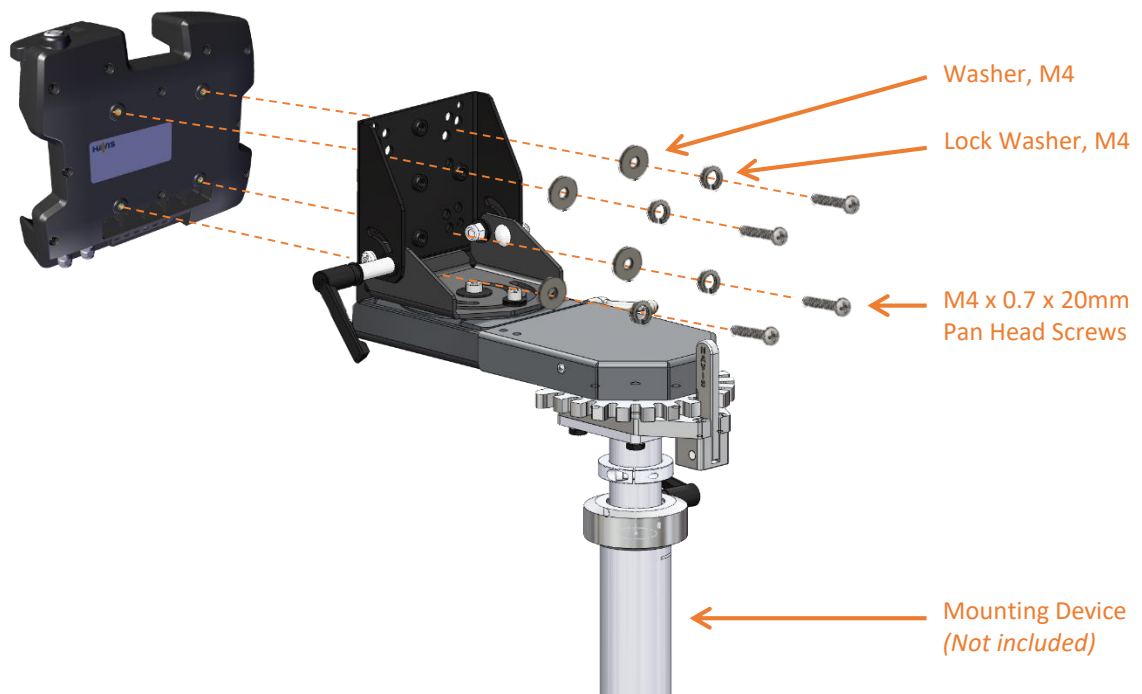
# Cable Management

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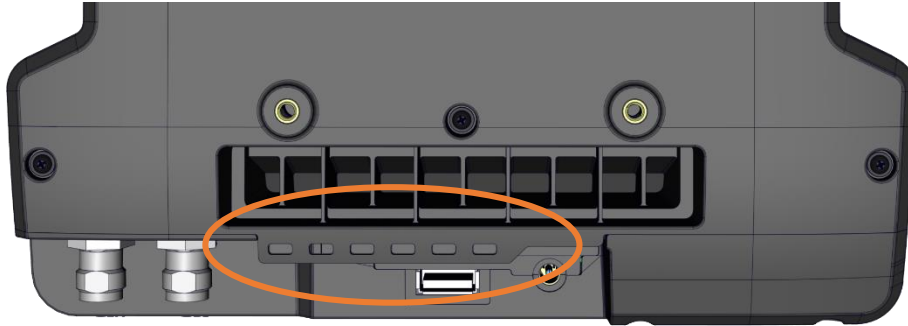
4) Create a service loop with cables to ensure that no tension is on the connectors and to enable intended motion.
5) Tie off cables onto a stationary part of the mounting system.
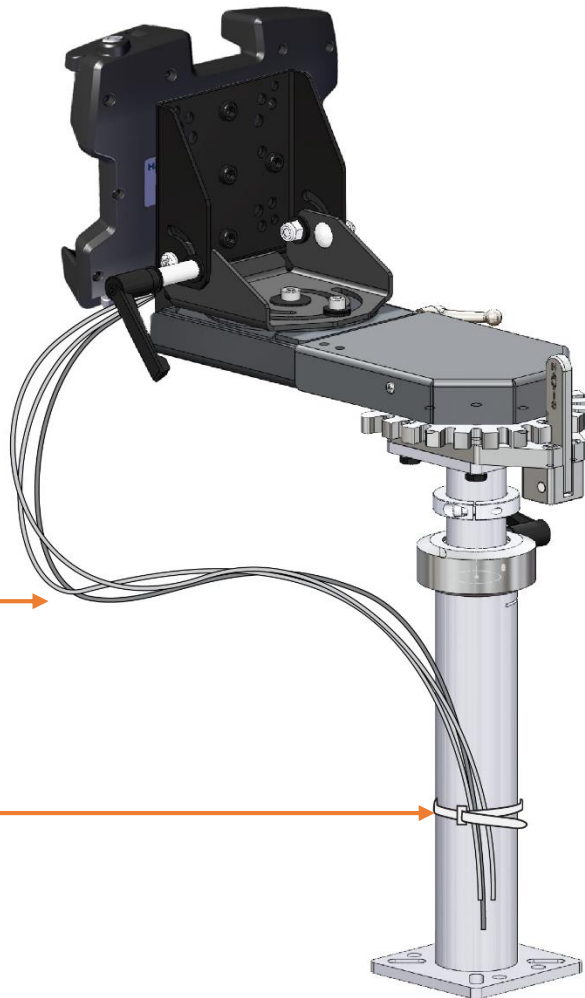
4

This loop must be large enough to allow full range of expected rotation and extension without stressing connections.
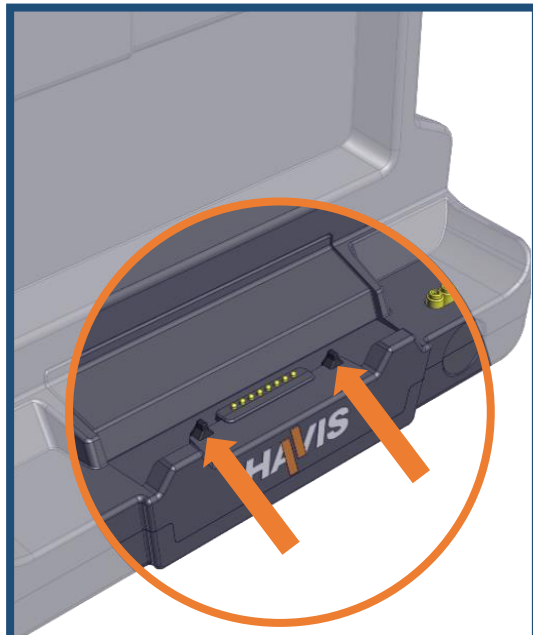
5

Collect cables to secure to the mounting system.

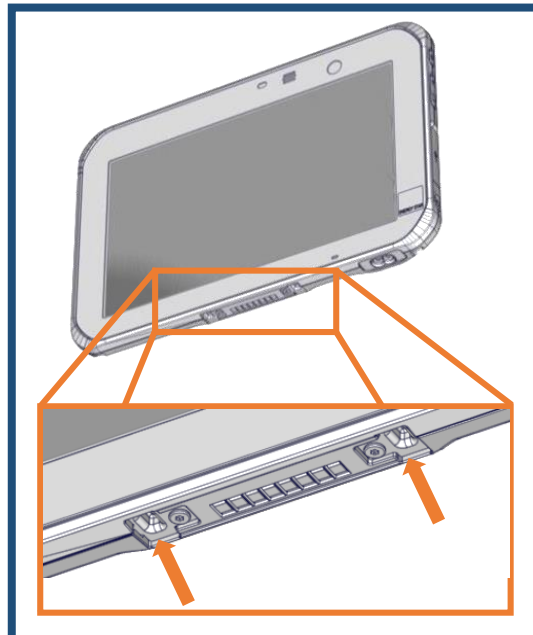*(Note: mounting system not included)*

Operation - Docking

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
Alignment Sockets with the Docking Station's Alignment Posts**

Alignment Posts on the
DS-PAN-1300 Series Docking Station

Alignment Sockets on the bottom of
the tablet

Docking Station and Accessory Compatibility					
	Battery Type	**Hand Strap Model**	**Side Barcode Reader**	**Top Barcode Reader**	**No Barcode Reader**
TOUGHBOOK L1	**Standard Battery**	**Panasonic Rotating (FZ-VSTL11U)**	N/A	N/A	NO
		Panasonic Rotating (FZ-VSTL12U)	N/A	NO	N/A
		Panasonic Rotating (FZ-VSTL13U)	NO	N/A	N/A
		No Hand Strap	YES	YES	YES
TOUGHBOOK S1	**Standard Battery**	**Panasonic Rotating (FZ-VSTS11U)**	NO	NO	NO
		No Hand Strap	YES	YES	YES
	Large Battery	**Panasonic Rotating (FZ-VSTS11U)**	NO	NO	NO
		No Hand Strap	YES	YES	YES

Operation - Docking *(continued)*

1) Ensure Docking Station is unlatched by lifting Latch Handle.
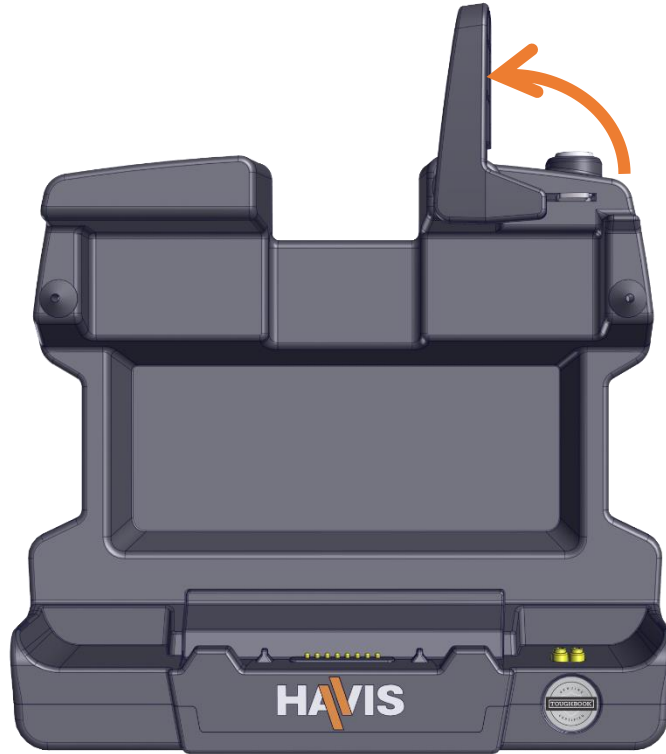
2) Hold tablet in landscape orientation, with bottom mounted docking connector angled toward Docking Station. Lower tablet into the bottom of the Docking Station.
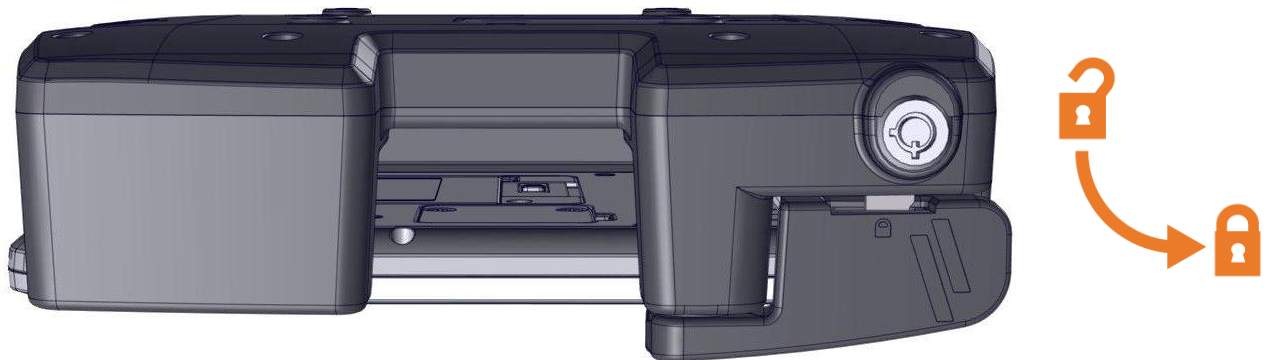

⚠CAUTION

Do not dock the Tablet in the reverse position or damage can occur.

3) Pivot tablet so it sits flush in the Docking Station and hold while lowering the Latch Handle to secure tablet in place.
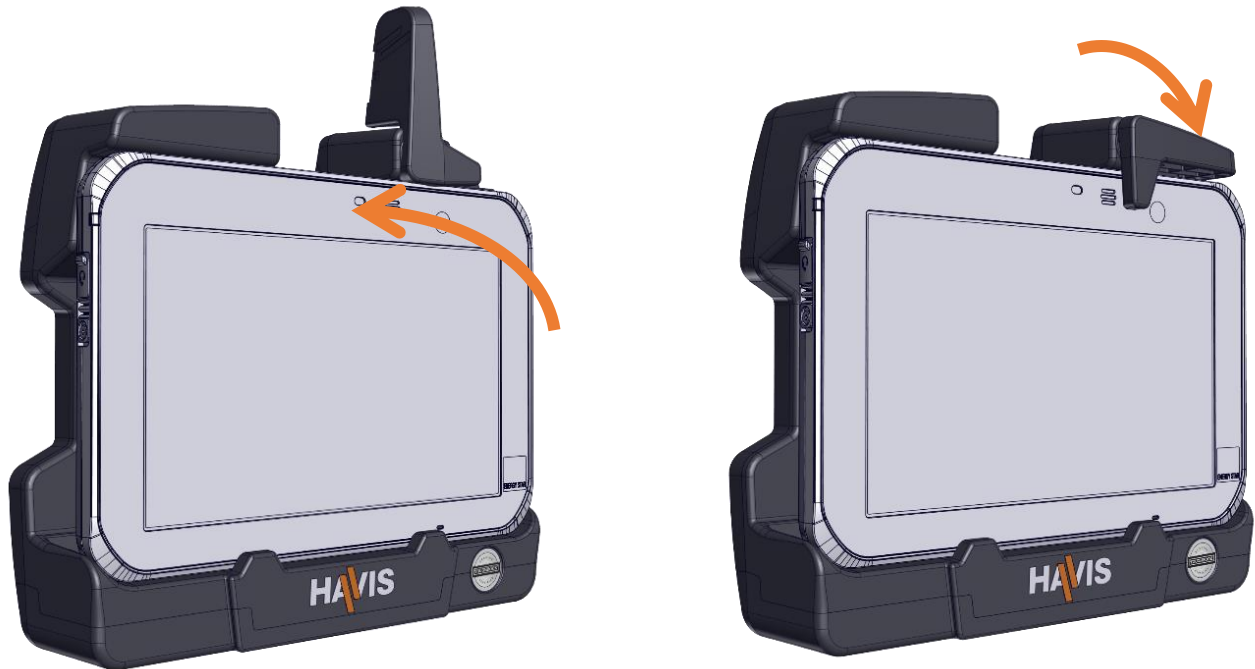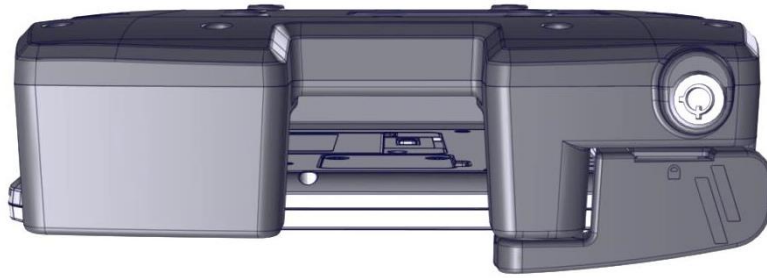

4) For theft deterrence, secure tablet by locking Docking Station with supplied key (Hardware Kit Item 2).

Operation - Undocking

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

2) Secure tablet to avoid inadvertent ejection from Docking Station. Unlatch by lifting Latch Handle.

3) Once unlatched grab both sides of tablet, rock the top forward and carefully lift out of Docking Station, top end first.

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-160
10W Power Supply
External in-vehicle power supply and cable for the DS-PAN-1300
Docking Station (Panasonic Toughbook L1 and Toughbook S1 tablets).

DS-DA-243
Barcode Blocker Bracket
Bracket accessory used to block the tablet's barcode reader in
either top or side orientation.

DS-DA-218
Desktop Stand for Tablet Docking Stations
Durable stand for mounting tablet Docking Stations for use in
the home or office.

DS-DA-503
Replacement Keys
Set of two (2) replacement keys for DS-PAN-1300 Series
Docking Stations.