Owner's Manual
Havis Docking Station
For Panasonic TOUGHBOOK G2 2-in-1

DS-PAN-1010 Series

DS-PAN-1011 DS-PAN-1012 DS-PAN-1013 DS-PAN-1014 DS-PAN-1015 DS-PAN-1016
DS-PAN-1011-2 DS-PAN-1012-2 DS-PAN-1014-2 DS-PAN-1015-2

Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974

DS-PAN-1010-SERIES_OMN_1-22

Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-PAN-1010 Series Docking Station for the Panasonic TOUGHBOOK G2 2-in-1 and the Panasonic TOUGHBOOK 20. For questions regarding the set-up of your DS-PAN-1010 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-1011	DS-PAN-1012	DS-PAN-1013	DS-PAN-1014	DS-PAN-1015	DS-PAN-1016
DS-PAN-1011-2	DS-PAN-1012-2		DS-PAN-1014-2	DS-PAN-1015-2	

⚠WARNING

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

- **NE JAMAIS RANGER OU INSTALLER LA STATION D'ACCUEIL DIRECTEMENT DANS LA ZONE DE DÉPLOIEMENT DES COUSSINS GONFLABLES D'UN VÉHICULE.**
- **NE PAS UTILISER L'ORDINATEUR EN CONDUISANT.**

⚠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-1011, DS-PAN-1011-2. DS-PAN-1012, DS-PAN-1012-2, DS-PAN-1014, DS-PAN-1014-2, DS-PAN-1015, & DS-PAN-1015-2 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Panasonic approved 90W power source rated for a continuous, regulated 16 VDC output (*Havis Part Number LPS-102 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-1013 & DS-PAN-1016 DOCKING STATION: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: The Panasonic TOUGHBOOK G2 2-in-1 requires a certified, Panasonic approved power source rated for a continuous, regulated 16 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.**

- LIRE ATTENTIVEMENT TOUTES LES INSTRUCTIONS AVANT DE COMMENCER L'INSTALLATION.
- NE PAS ENTREPOSER, INSTALLER OU UTILISER LA STATION D'ACCUEIL DANS UN ENDROIT OÙ DE L'EAU, DE L'HUMIDITÉ, DE LA VAPEUR, DE LA POUSSIÈRE, ETC. SONT PRÉSENTES
- NE CONNECTEZ OU DÉCONNECTEZ PAS VOTRE ORDINATEUR S'IL N'EST PAS ÉTEINT. LA MISE EN MARCHE OU L'ARRÊT DE VOTRE ORDINATEUR EN MODE MARCHE, VEILLE, HIBERNATION OU SOMMEIL PEUT CAUSER DES DOMMAGES PERMANENTS.
- POUR LES STATIONS D'ACCUEIL DS-PAN-1011, DS-PAN-1011-2. DS-PAN-1012, DS-PAN-1012-2, DS-PAN-1014, DS-PAN-1014-2, DS-PAN-1015, & DS-PAN-1015-2 : NE PAS CONNECTER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE : Ce produit nécessite une source d'alimentation de 90 W certifiée de qualité automobile, approuvée par Panasonic et conçue pour une sortie continue et régulée de 16 VDC (numéro de pièce Havis LPS-102 ou équivalent). Le non-respect de cette exigence entraînera des dommages au produit qui ne sont PAS réparables et qui ne sont PAS couverts par la garantie.
- POUR LA STATION D'ACCUEIL DS-PAN-1013 & DS-PAN-1016 : NE PAS CONNECTER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE : Le TOUGHBOOK G2 2-in-1 de Panasonic nécessite une source d'alimentation certifiée et approuvée par Panasonic pour une sortie continue et régulée de 16 VDC. Le non-respect de cette exigence entraînera des dommages au produit qui ne sont PAS réparables et ne sont pas couverts par la garantie.
- NE PAS FIXER LA TABLETTE EN POSITION INVERSÉE, CAR CELA POURRAIT CAUSER DES DOMMAGES PERMANENTS.

NOTICE

- **FOR DOCKING STATION MODELS EQUIPPED WITH A BUNDLED POWER SUPPLY (DS-PAN-1012, DS-PAN-1012-2, DS-PAN-1015, DS-PAN-1015-2, & DS-PAN-1016) 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 G2 2-in-1 OWNER'S MANUAL FOR MORE INFORMATION.**

Before Beginning

Precautions/Précautions

- 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 computer
- Use only the specified Power Supply (Part # LPS-102) 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 85°C, 185°F) for a long period of time
- Do not open display of computer too far while docked, or damage may result *(See page 12)*

- Ne placez pas d'objets métalliques ou de contenants avec des liquides sur la station d'accueil
- En cas de dysfonctionnement, débranchez immédiatement l'alimentation électrique et retirez l'ordinateur portable
- Utilisez uniquement l'alimentation électrique spécifiée (partie # LPS-102) avec cette station d'accueil
- Ne pas connecter les câbles dans des ports autres que ceux spécifiés
- Ne laissez pas la station d'accueil dans un environnement à température élevée (plus de 85°C, 185°F) pendant une longue période
- N'inclinez pas trop l'écran de l'ordinateur vers l'arrière lorsque celui-ci se trouve sur la station, car des dommages pourraient survenir *(Voir page 12)*

Specifications

Power Supply Input	16V DC-In
Dimensions	2.5" (6.3 cm) H x 11.1" (28.1 cm) W x 9.6" (24.4 cm) D
Weight	4.3 lbs. (1.9 kg)
Operating Environment	-10° C to 50° C (14° F to 122° F)
Storage Environment	-20° C to 60° C (-4° F to 140° F)

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 G2 2-in-1 and TOUGHBOOK 20
Model: DS-PAN-10XY-Z, where 'X, Y, Z' 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 2004/108/EC:	EN 50498:2010, Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles
Directive 2011/65/EU	Restriction of the use of certain hazardous substances (RoHS)

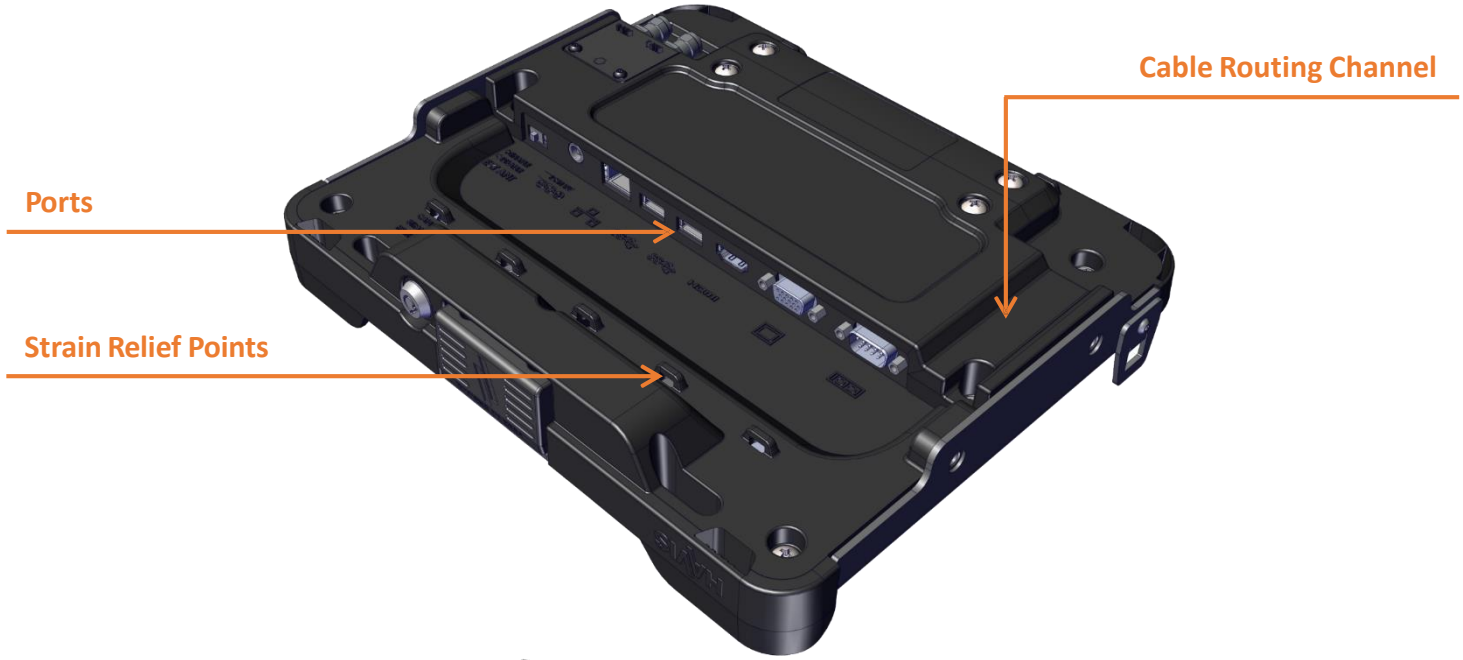
Supplementary Information:
The product herewith complies with the requirements of the Automotive EMC Directive 2004/108/EC, Annex I, 6.5, 6.6, 6.8, and 6.9. This product requires the use of a recommended e-Marked automotive power supply when used within vehicles.

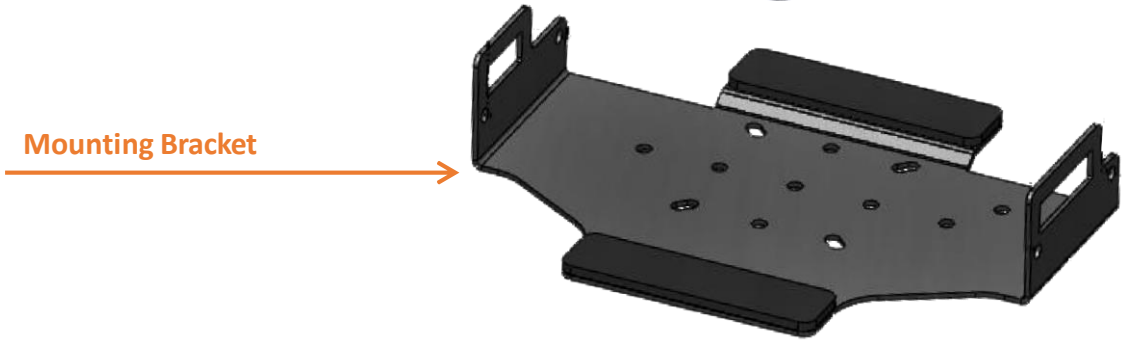
Warminster, PA, USA September 25, 2019 Bruce Jonik, Director of Engineering , Havis, Inc.

FCC 47CFR, Part 15 compliance: This is an FCC Class B device. Any changes or modifications to the model DS-PAN-10XY-Z not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

Parts Included

Docking Station



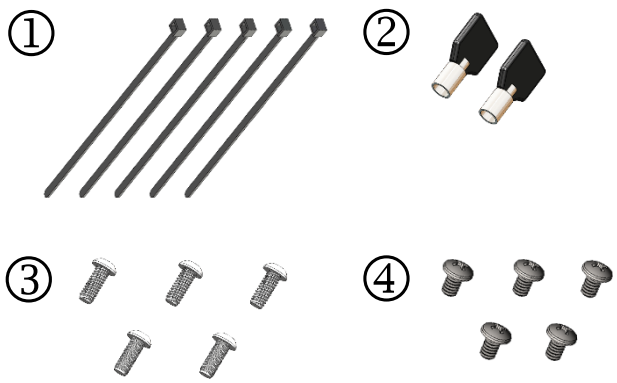


Parts Included *(continued)*

Hardware Kit *(HWK-0046)*

This Hardware Kit includes:

1. Zip Ties (5)
2. Keys (2)
3. 1/4”-20 x 5/8” long Button Head Screws (5)
4. Phillips 1/4”-20 x 3/8” long Screws (5)



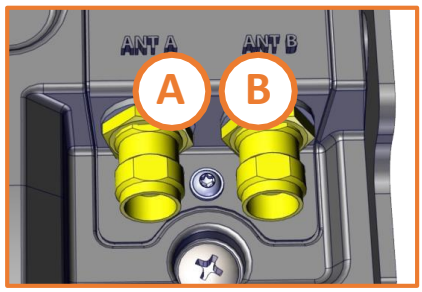
Tools required for installation:

- 5/32” Hex Drive
  (For attaching Mounting Bracket to Motion Device with Button Head 1/4”-20 Screws)
- #3 Phillips
  (For attaching Docking Station to Mounting Bracket with Button Head 1/4”-20 Screws)

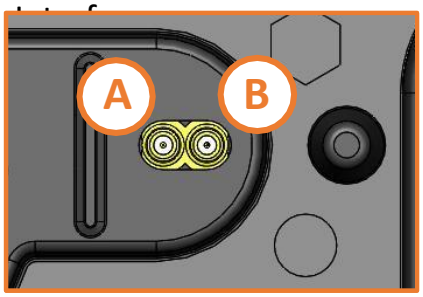
Antenna Identification

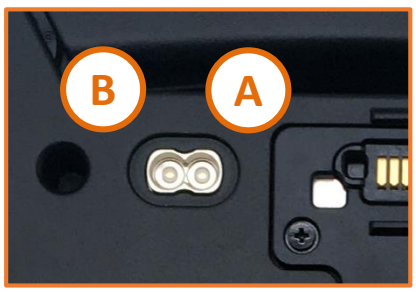
DS-PAN-1011-2, DS-PAN-1012-2, DS-PAN-1014-2, DS-PAN-1015-2

Antenna Connectors (TNC)

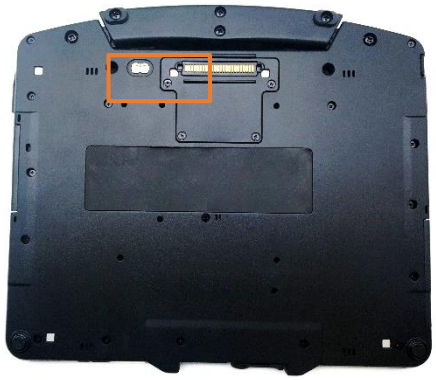


Computer





Top View
Docking Station

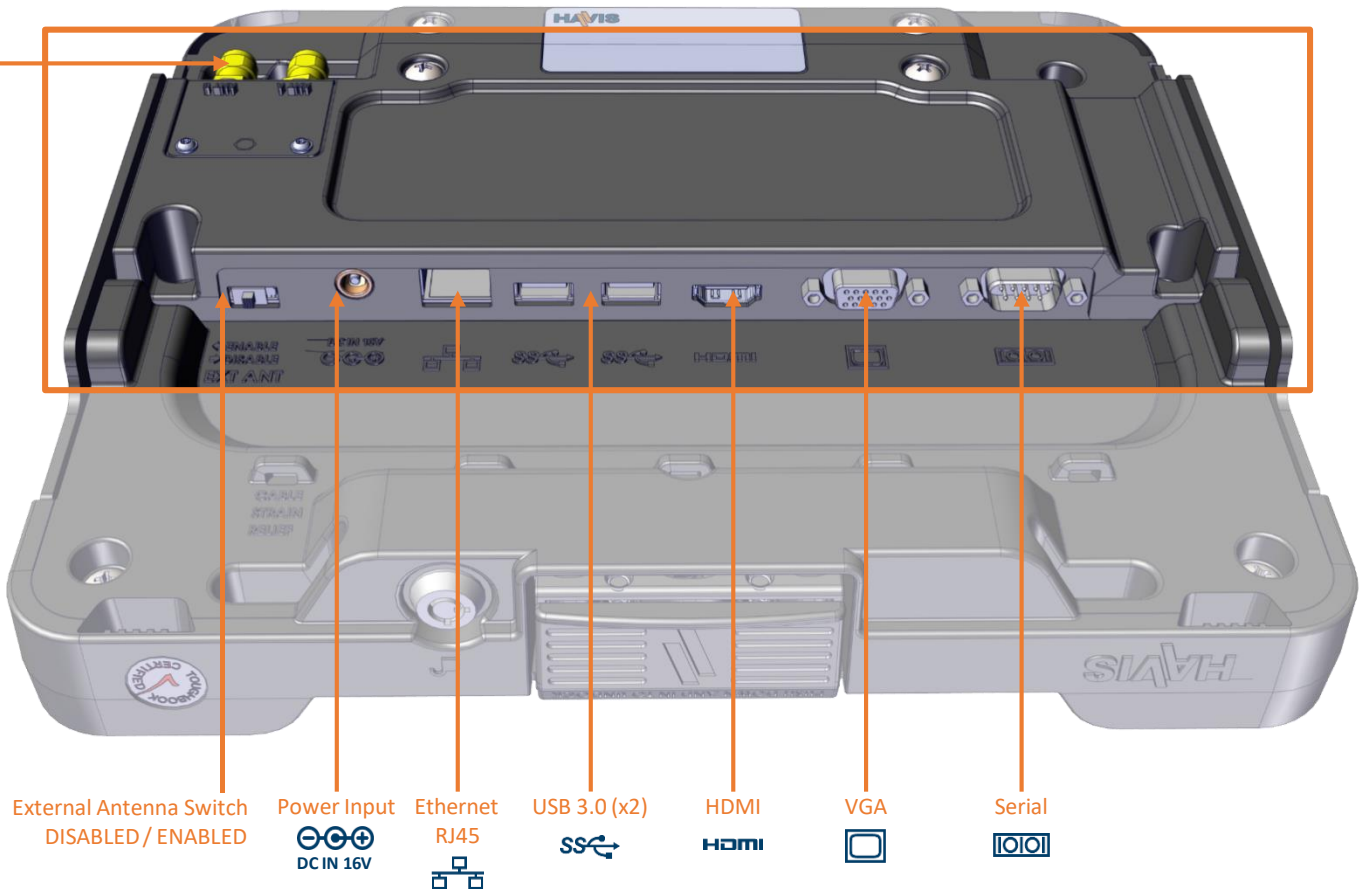


Bottom View
TOUGHBOOK G2 2-in-1

Port Replication Capability

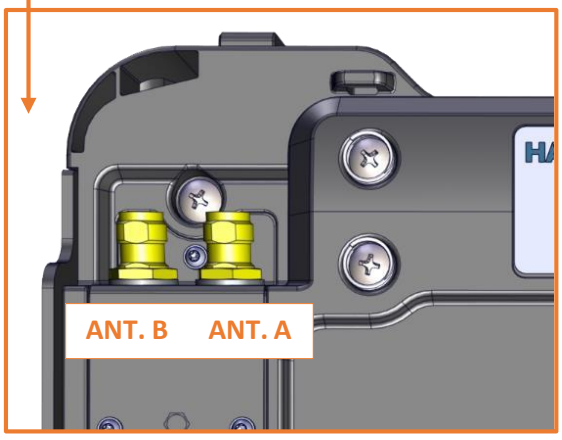
Forward Facing Ports

DS-PAN-1011, DS-PAN-1011-2, DS-PAN-1012, DS-PAN-1012-2



Antenna Connection (TNC)

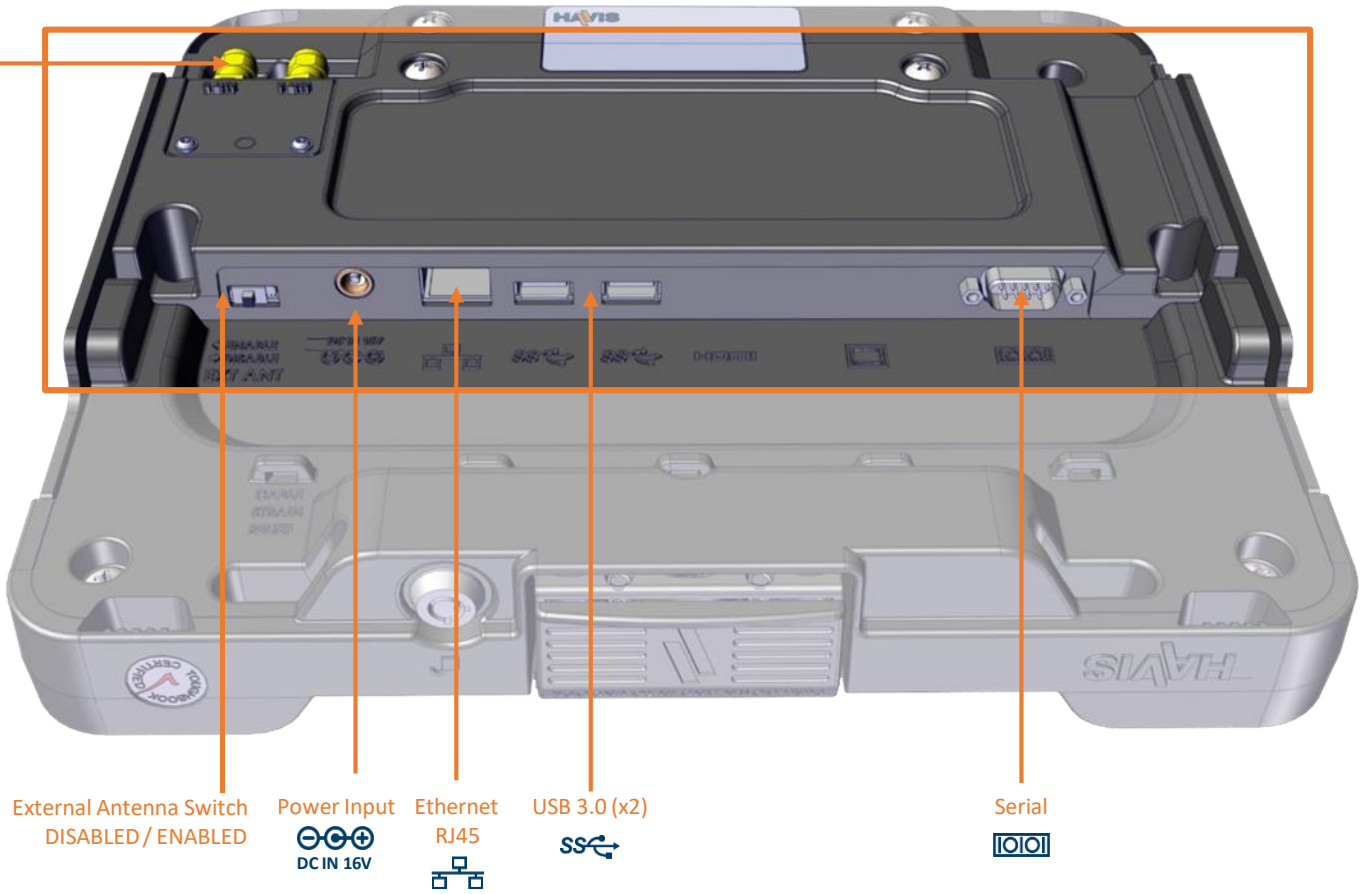
Optional Part IDs: DS-PAN-1011-2, DS-PAN-1012-2



Port Replication Capability

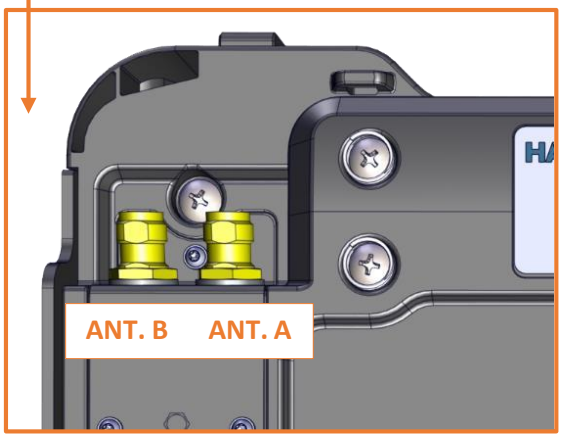
Forward Facing Ports

DS-PAN-1014, DS-PAN-1014-2, DS-PAN-1015, DS-PAN-1015-2



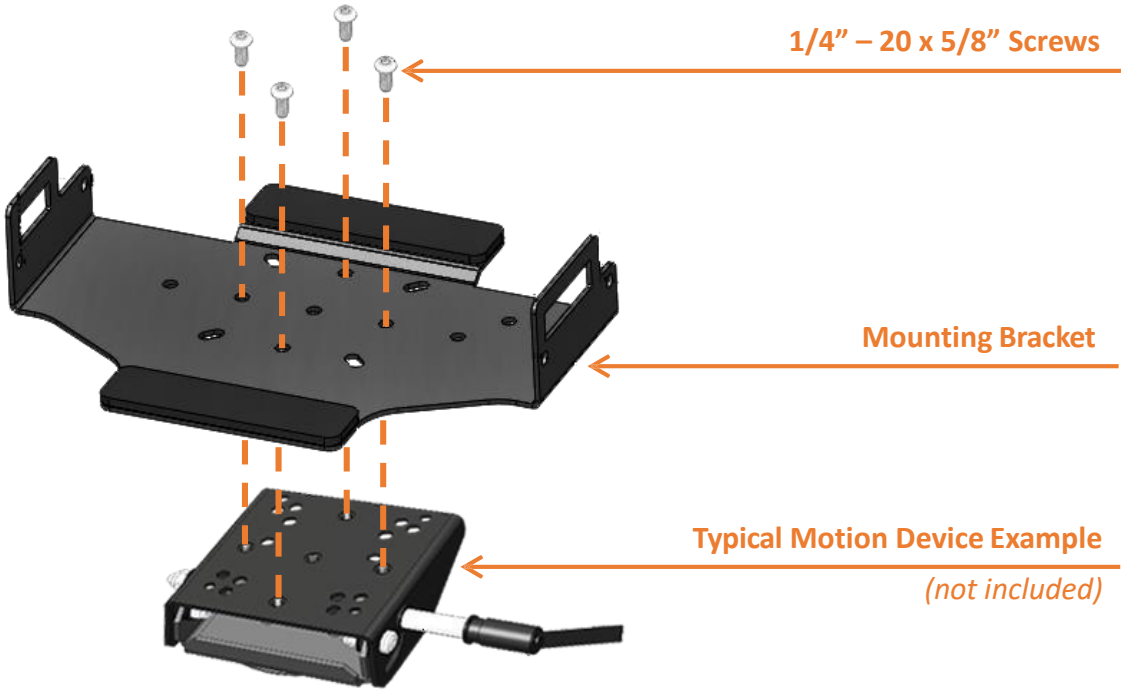
Antenna Connection (TNC)

Optional Part IDs: DS-PAN-1014-2, DS-PAN-1015-2



Installation & Cable Management

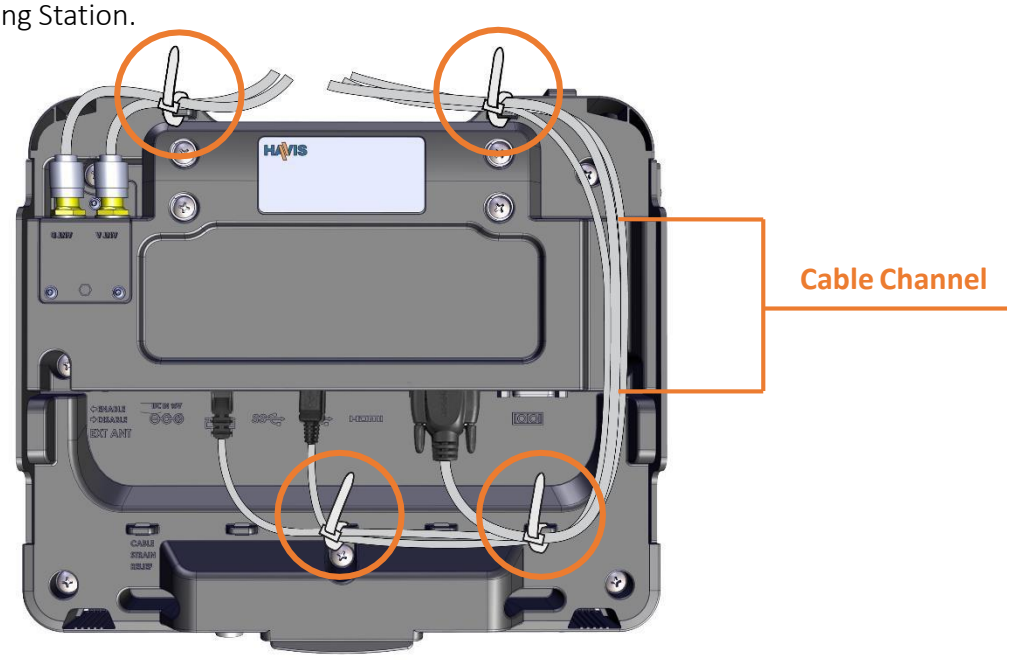
1) Remove the Mounting Bracket from the packaging. Install the Mounting Bracket to the Motion Device using (4) 1/4“-20 x 5/8” long screws (Hardware Kit Item 3). Torque screws to 80 in-lbs (9.0Nm) ± 10%. NOTE: Numerous hole patterns present in Mounting Bracket will accommodate Havis Motion Devices as well as most competitors’.



NOTE: We recommend applying a drop of medium strength (blue) thread locking adhesive to the threads of all fasteners.

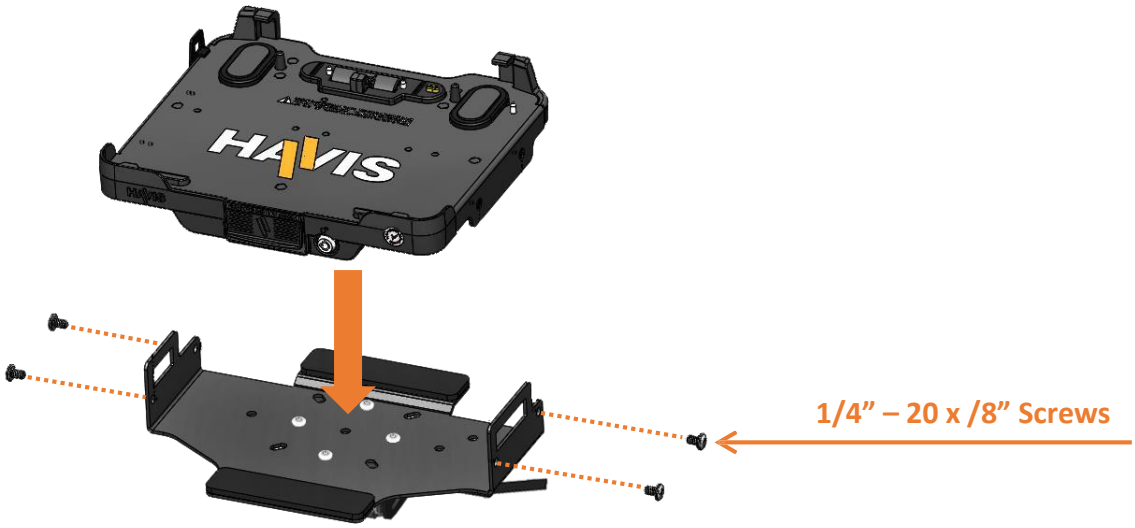
NOTE: Nous recommandons d'appliquer une goutte d’adhésif de blocage de force moyenne (bleu) sur les fils de toutes les fixations.

2) Orient the Docking Station in a position that is comfortable to work with.
3) Install all cables that are necessary for computing needs. Use Zip Ties (Hardware Kit Item 1) to strain relieve cables to the Strain Relief Points, routing all cables together through the Cable Channel and out the rear of the Docking Station.

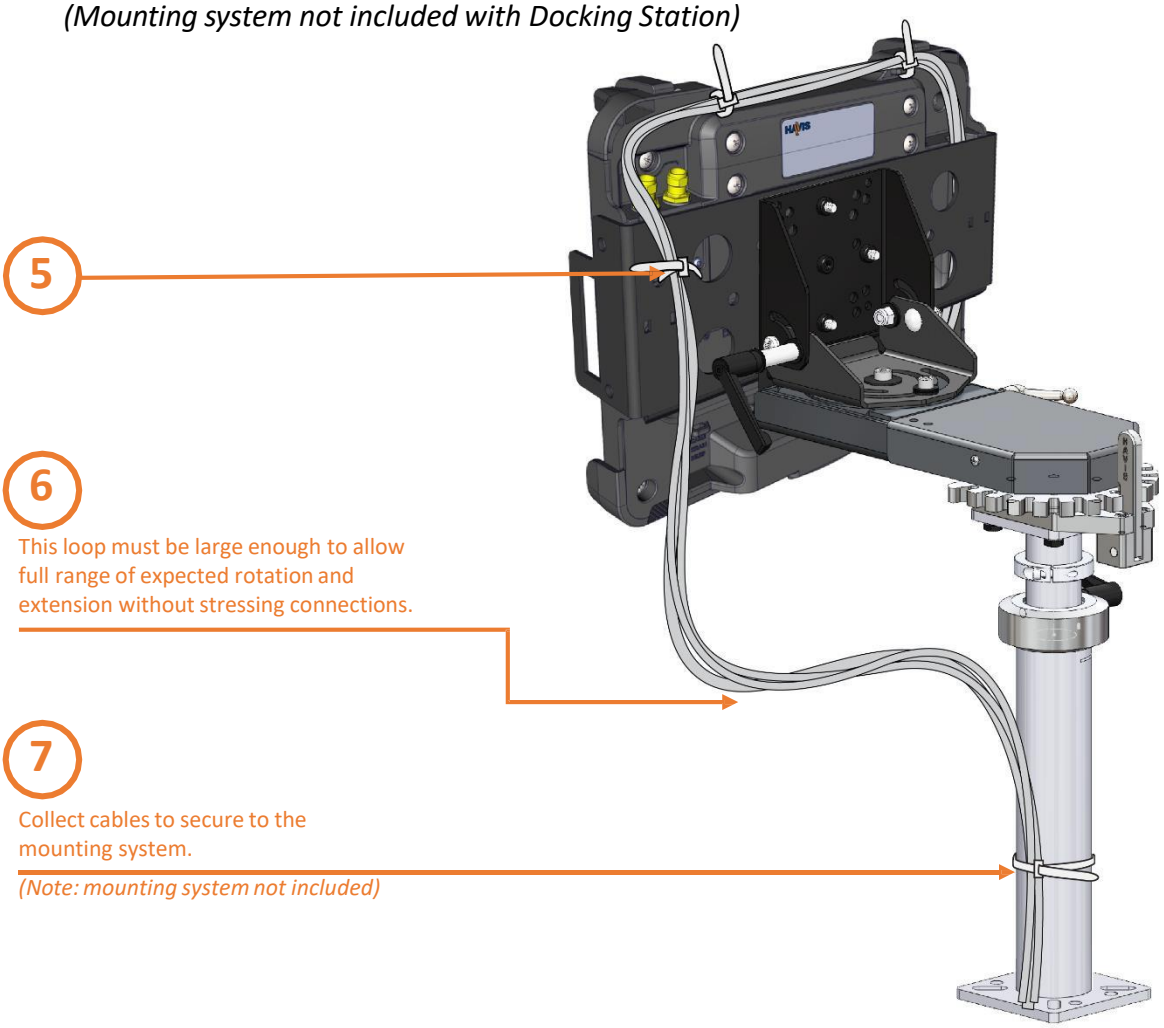


Installation & Cable Management *(continued)*

4) Lower the Docking Station to the Mounting Bracket as shown and secure with (4) 1/4" -20 x 3/8" long screws (Hardware Kit Item 4). Ensure cable bundle remains in Cable Channel before securing. Torque screws to 80-in (9.0 Nm) ± 10%.



5) Secure cable bundle to the Mounting Bracket with a supplied Zip Tie.
6) Create a service loop with cable bundle to ensure that no tension is on the connectors and to enable intended range of motion.
7) Tie off cables onto a stationary part of the mounting system.
(Mounting system not included with Docking Station)



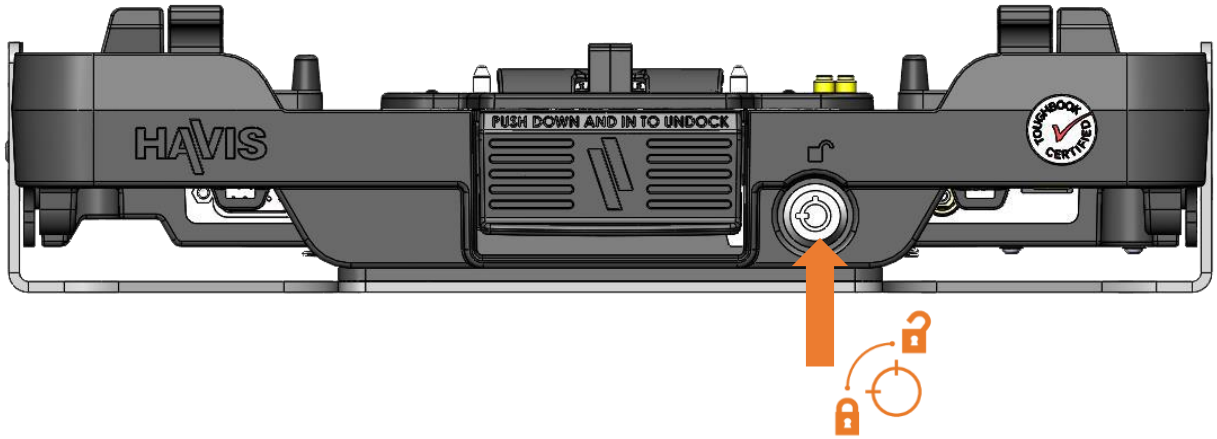
Operation - Docking

⚠CAUTION

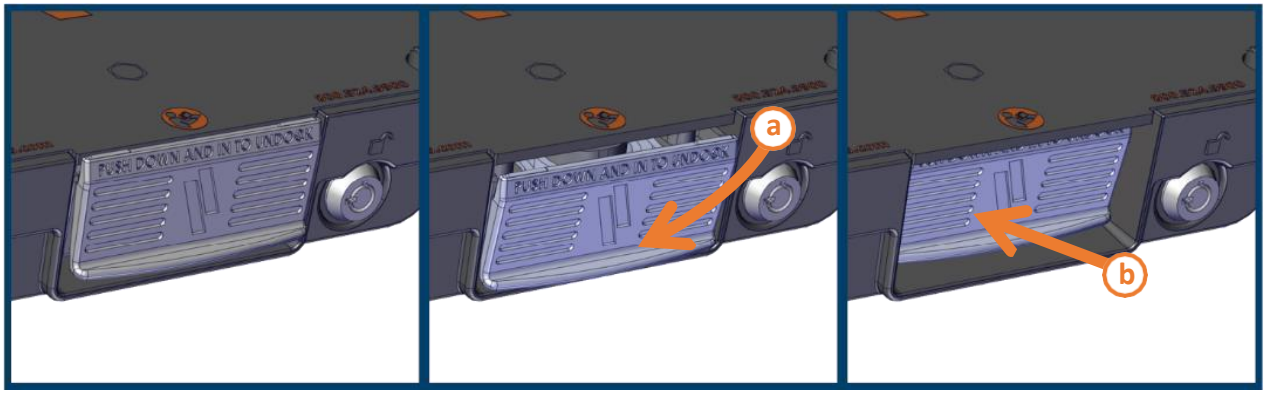
DO NOT FORCE COMPUTER ONTO DOCKING STATION. IF THERE IS RESISTANCE, CHECK ALIGNMENT OF COMPUTER ON DOCKING STATION.

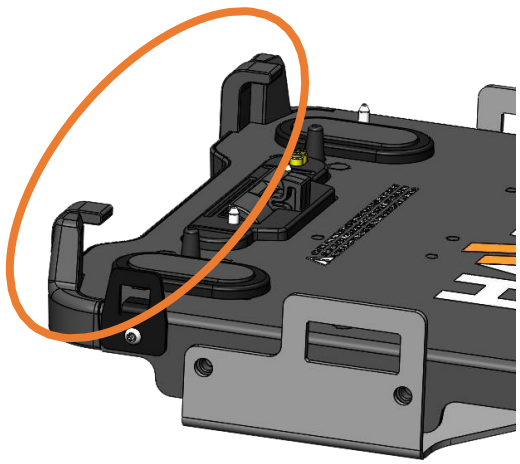
NE PAS FORCER L'ORDINATEUR PORTABLE SUR LA STATION D'ACCUEIL. S'IL Y A DE LA RÉSISTANCE, VÉRIFIER L'ALIGNEMENT DE L'ORDINATEUR PORTABLE SUR LA STATION D'ACCUEIL.

1) Ensure the Docking Station is unlocked.

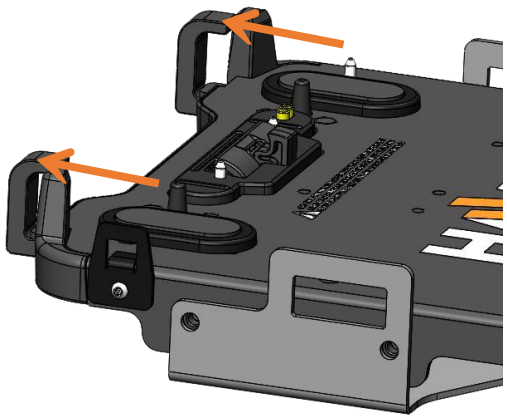


2) Unlatch Rear Hooks by (a) pushing down on Release Handle, then (b) pushing in until a click can be heard.





Latched Rear Hooks

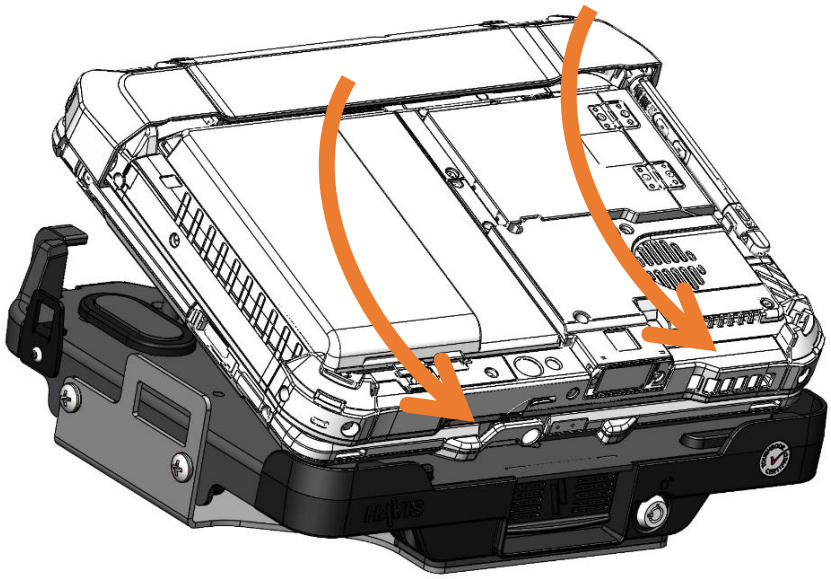


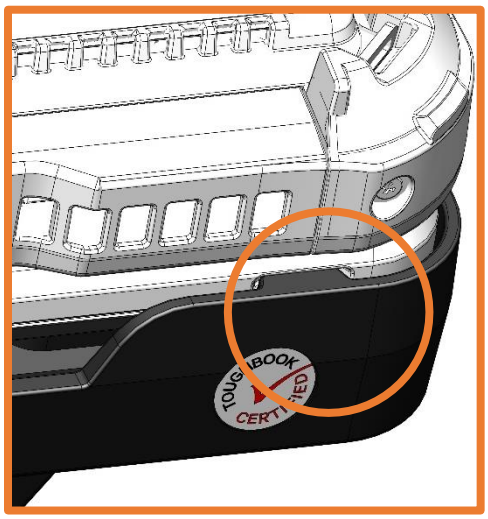
Unlatched Rear Hooks

(Ready to dock TOUGHBOOK G2 2-in-1)

Operation - Docking *(continued)*

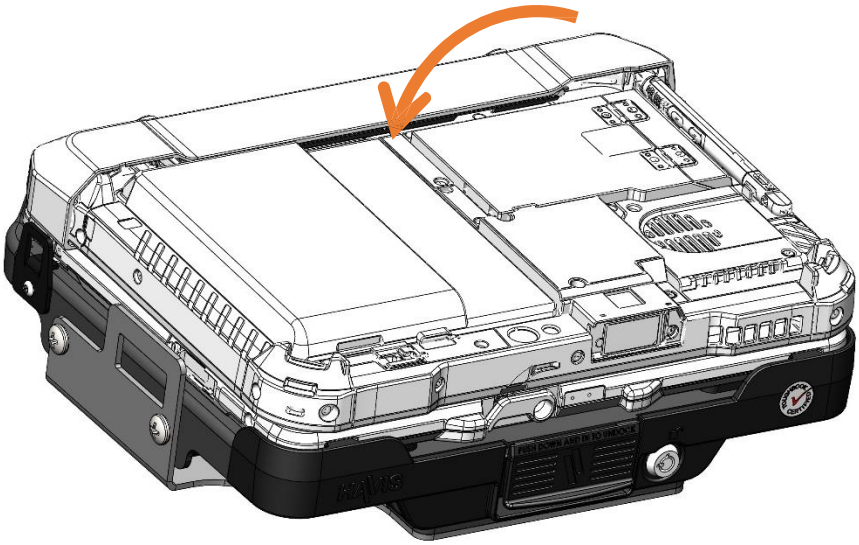
3) With rear of computer elevated, load front of computer into Docking Station ensuring the computer's front hook pockets align with the Front Hooks of the Docking Station as shown.

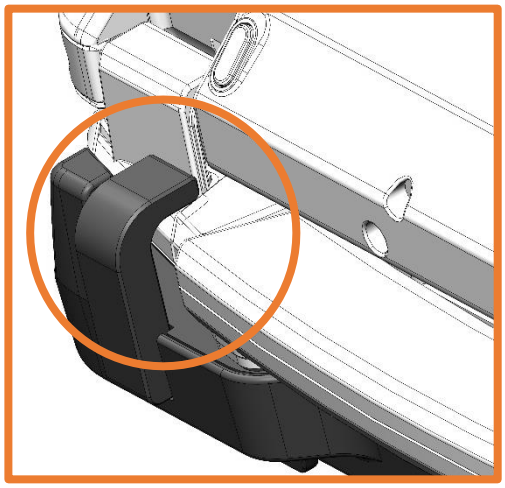




Front View

4) Lower rear of computer onto Docking Station, ensuring computer properly aligns with the Locator Pins on the Docking Station. Apply light downward pressure to the rear of computer, until Rear Hooks on Docking Station snap into place and secure the computer. Ensure Rear Hooks are fully engaged as shown in Reverse View below. If not, apply more downward pressure to ensure full engagement.

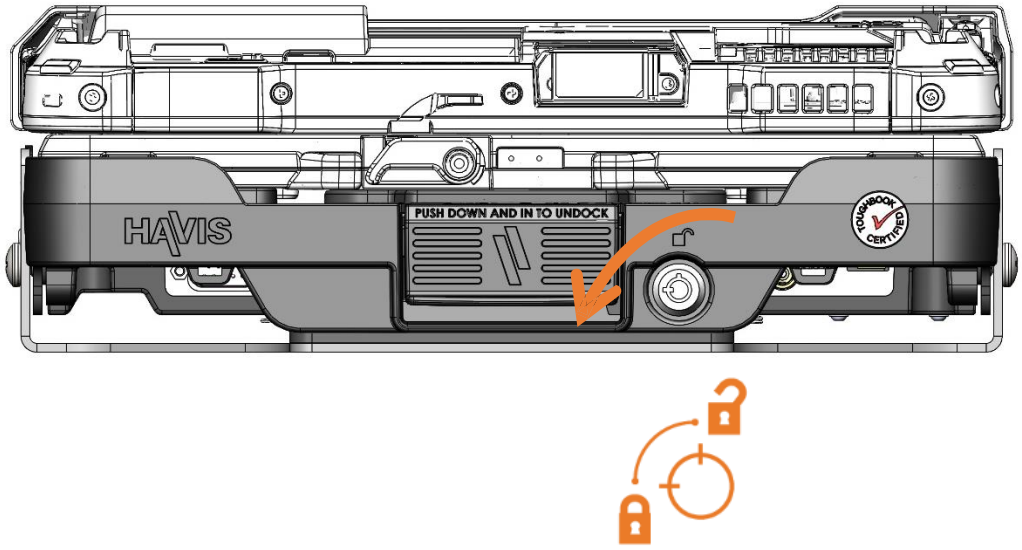




Reverse View

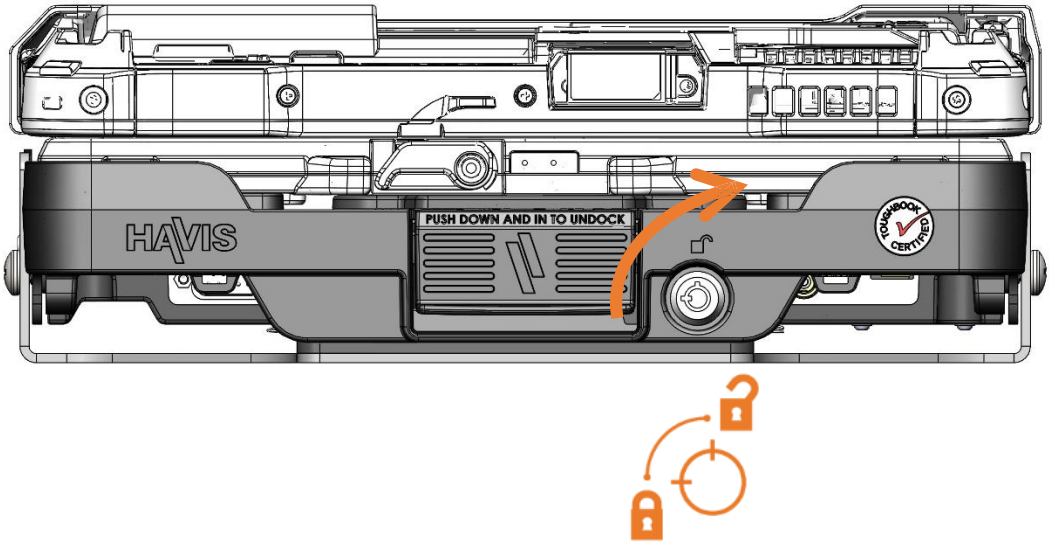
Operation - Docking *(continued)*

5) For theft deterrence, secure computer by locking Docking Station with supplied key (Hardware Kit item 2).



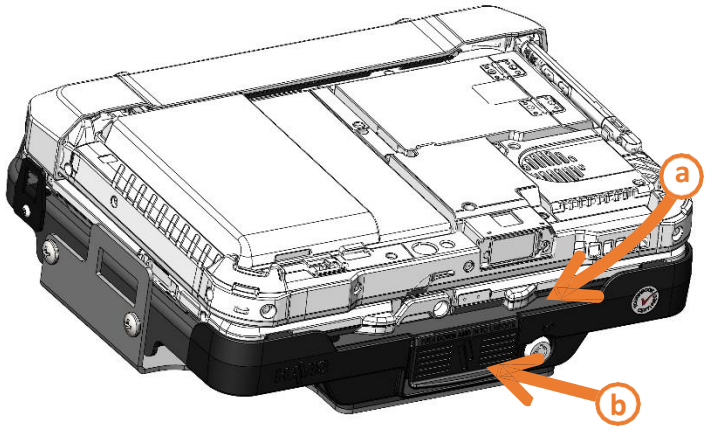
Operation - Undocking

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

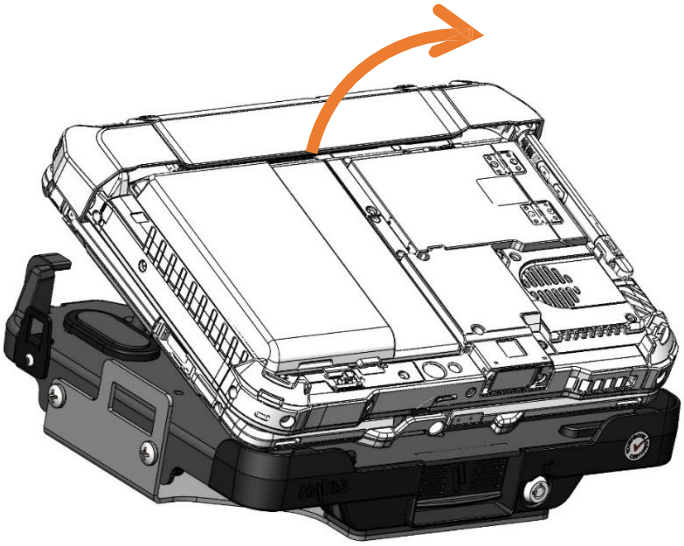


Operation - Undocking

2) Unlatch computer from Docking Station by, (a) pushing down on Release Handle, then (b) pushing in until Rear Hooks unlatch and a click can be heard. Rear Hooks will remain unlatched and G2 COMPUTER will elevate slightly from Docking Station.



3) Once unlatched grab COMPUTER from carry handle or each side and carefully lift out of Docking Station, rear first.



⚠CAUTION

ONCE DOCKED, THE DISPLAY OF THE TOUGHBOOK G2 2-in-1 CAN ONLY OPEN APPROXIMATELY 125° AT WHICH TIME IT WILL CONTACT THE DOCKING STATION'S REAR HOOKS. DO NOT EXTEND THE DISPLAY PAST THIS POINT OR DAMAGE TO THE COMPUTER MAY OCCUR.

UNE FOIS SUR LA STATION, L'ÉCRAN DU TOUGHBOOK G2 2-in-1 NE PEUT S'OUVRIR QU'APPROXIMATIVEMENT DE 125°, ANGLE À, À PARTIR DUQUEL IL ENTRERA EN CONTACT AVEC LES CROCHETS ARRIÈRE DE LA STATION D'ACCUEIL. NE PAS INCLINER L'ÉCRAN AU-DELÀ DE CE POINT, AU RISQUE D'ENDOMMAGER L'ORDINATEUR PORTABLE.

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-102
90W Power Supply
External in-vehicle power supply and cable for Panasonic TOUGHBOOK G2 with cigarette lighter adaptor.

LPS-211
Power Supply Mounting Bracket
Mount a power supply or USB hub directly to your Docking Station with this versatile bracket.

DS-DA-306
Replacement Power Supply Output Cable
Replacement yellow tip output cable for the LPS-102 power supply for DS-PAN-1010 Series Docking Stations.

DS-DA-503
Replacement Keys
Set of two (2) replacement keys for DS-PAN-1010 Series Docking Stations.