

Owner's Manual

Havis Docking Station

For Dell Latitude 7030 Rugged Extreme Tablet

DS-DELL-1100 Series

DS-DELL-1101

DS-DELL-1102

DS-DELL-1103

DS-DELL-1104

DS-DELL-1107



DS-DELL-1100-SERIES_OMN_02-26

Before Beginning

Havis is pleased to provide this owner's manual to aid in the proper installation and use of the DS-DELL-1100 Series Docking Station for the Dell Latitude 7030 Rugged Extreme Tablet.

For questions regarding the set-up of your DS-DELL-1100 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-DELL-1101 DS-DELL-1102 DS-DELL-1103 DS-DELL-1104 DS-DELL-1107

WARNING

- NEVER STOW OR MOUNT THE DOCKING STATION DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.
- DO NOT USE COMPUTER WHILE DRIVING.
- 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 DELL/HAVIS APPROVED POWER CABLES AND POWER SUPPLIES WITH THIS DOCKING STATION.

AVERTISSEMENT

- NE JAMAIS RANGER OU MONTER LA STATION D'ACCUEIL DIRECTEMENT DANS UNE ZONE DE DÉPLOIEMENT D'AIRBAG DU VÉHICULE.
- NE PAS UTILISER L'ORDINATEUR EN CONDUISANT.
- NE PLACEZ PAS D'OBJETS MÉTALLIQUES OU DE RÉCIPIENTS DE LIQUIDE SUR LA STATION D'ACCUEIL.
- EN CAS DE DYSFONCTIONNEMENT, DÉBRANCHEZ IMMÉDIATEMENT L'ALIMENTATION ÉLECTRIQUE ET RETIREZ LA TABLETTE.
- UTILISEZ UNIQUEMENT DES CÂBLES D'ALIMENTATION ET DES ALIMENTATIONS APPROUVÉES PAR DELL/HAVIS AVEC CETTE STATION D'ACCUEIL.

Before Beginning *(continued)*

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-DELL-1101 AND DS-DELL-1102 DOCKING STATIONS, DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Dell/Havis approved power cable for a 10-35V power input. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.
- FOR THE DS-DELL-1104 AND DS-DELL-1107 DOCKING STATIONS, DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE. These models require a certified, automotive grade, Dell/Havis approved power supply with a 19.5V output, such as the 120N-A01-T-01-1, or an appropriate isolated power supply such as the LPS-186, LPS-187, or LPS-188. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.
- DO NOT CONNECT CABLES INTO PORTS OTHER THAN WHAT THEY ARE SPECIFIED FOR.
- DO NOT STORE THE DOCKING STATION IN A HIGH TEMPERATURE ENVIRONMENT (GREATER THAN 85°C, 185°F) FOR A LONG PERIOD OF TIME.
- DO NOT ATTEMPT TO DOCK THE TABLET BACKWARDS OR ELSE DAMAGE MAY RESULT.

ATTENTION

- LISEZ ATTENTIVEMENT TOUTES LES INSTRUCTIONS AVANT DE COMMENCER L'INSTALLATION.
- NE PAS STOCKER, INSTALLER OU UTILISER LA STATION D'ACCUEIL DANS UN LIEU D'EAU, D'HUMIDITÉ, DE VAPEUR, DE POUSSIÈRE, ETC. SONT PRÉSENTS.
- POUR LES STATIONS D'ACCUEIL DS-DELL-1101 ET DS-DELL-1102 : NE VOUS CONNECTEZ PAS DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE : Ce produit nécessite un câble d'alimentation certifié de qualité automobile et approuvé par Dell/Havis pour une entrée d'alimentation de 10-35 V. Le non-respect de cette exigence entraînera des dommages au produit qui ne seront PAS réparables et ne seront PAS couverts par la garantie.
- POUR LES STATIONS D'ACCUEIL DS-DELL-1104 ET DS-DELL-1107, NE VOUS CONNECTEZ PAS DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE. Ces modèles nécessitent une alimentation certifiée de qualité automobile et approuvée par Dell/Havis avec une sortie de 19,5 V, telle que la 120N-A01-T-01-1, ou une alimentation isolée appropriée telle que la LPS-186, LPS-187 ou LPS-188. Le non-respect de cette exigence entraînera des dommages au produit qui ne seront PAS réparables et ne seront PAS couverts par la garantie.
- NE CONNECTEZ PAS LES CÂBLES À DES PORTS AUTRE QUE CE POURQUOI ILS SONT SPÉCIFIÉS.
- NE PAS STOCKER LA STATION D'ACCUEIL DANS UN ENVIRONNEMENT À HAUTE TEMPÉRATURE (SUPÉRIEURE À 85°C, 185°F) PENDANT UNE LONGUE PÉRIODE DE TEMPS.
- N'ESSEYEZ PAS D'ANCRER LA TABLETTE VERS L'ARRIÈRE, SINON DES DOMMAGES POURRAIENT EN RÉSULTER.

Specifications

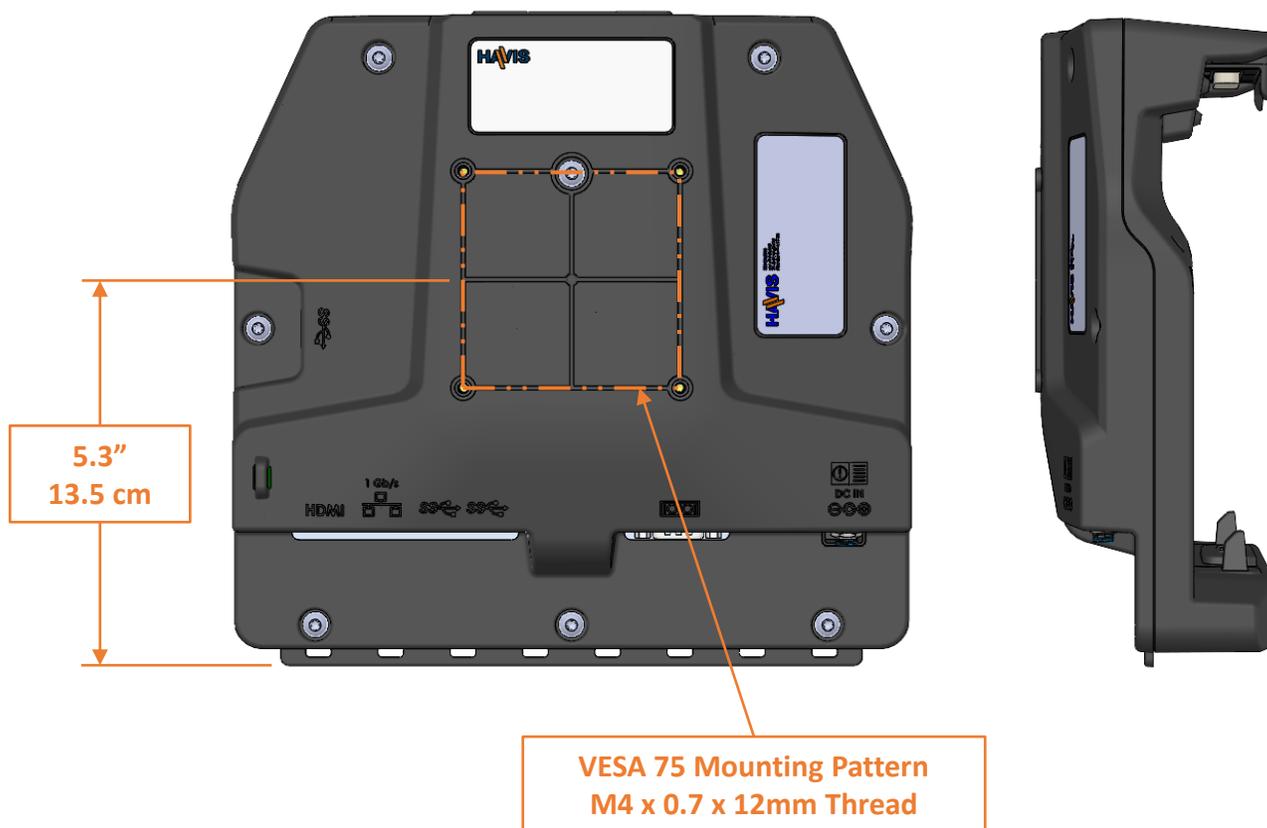
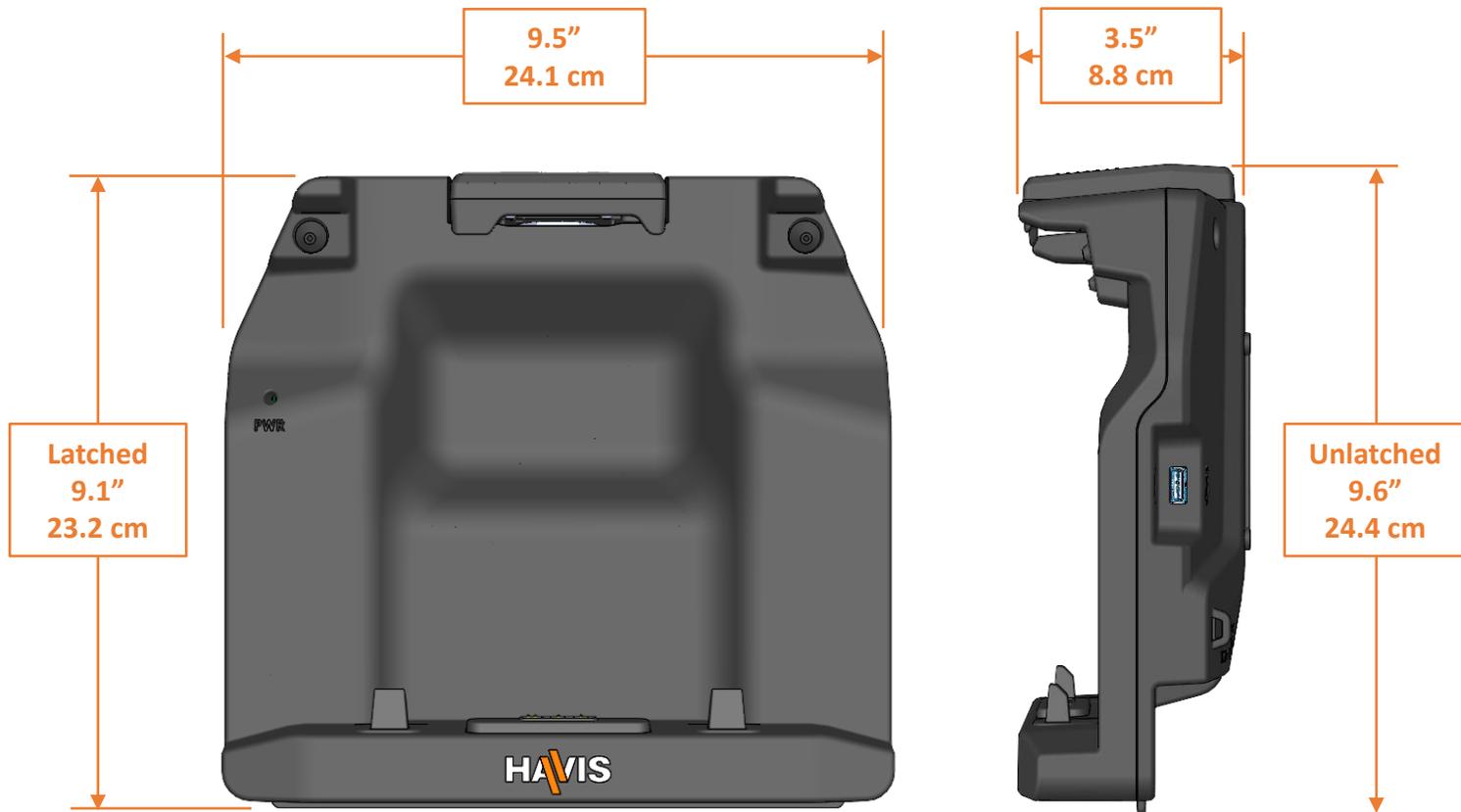
Configuration	Description	Power Options	Dock Input Voltage Requirement
DS-DELL-1101	Standard electronics with internal power supply	DS-DA-339 Power Cable	10-35 VDC
DS-DELL-1102	Advanced electronics with internal power supply	DS-DA-339 Power Cable	10-35 VDC
DS-DELL-1103	No electronics	None	None
DS-DELL-1104	Standard electronics	External Power Supply	19.5 (± 5%) VDC
DS-DELL-1107	Advanced electronics	External Power Supply	19.5 (± 5%) VDC

Dimensions	Height: 9.1" (23.2 cm) Width: 9.5" (24.1 cm) Depth: 3.5" (8.8 cm)
Weight	2.3 lbs. (1.04 kg)
Operating Environment¹	-30° C to 63° C (-22° F to 145.4° F)
Storage Environment²	-40° C to 85° C (-40° F to 185° F)

¹ Operating environment for the Dell tablet's battery is -26°C to 60°C (-14.8°F to 140°F).

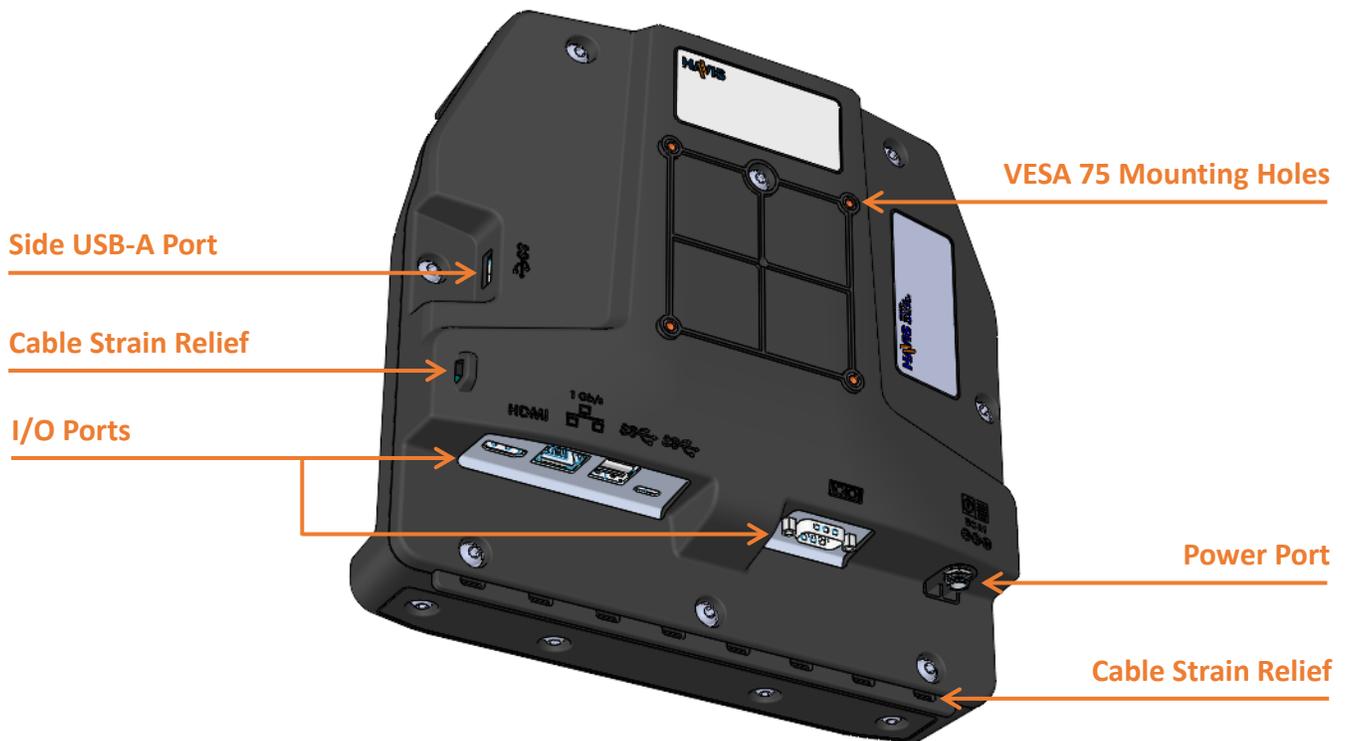
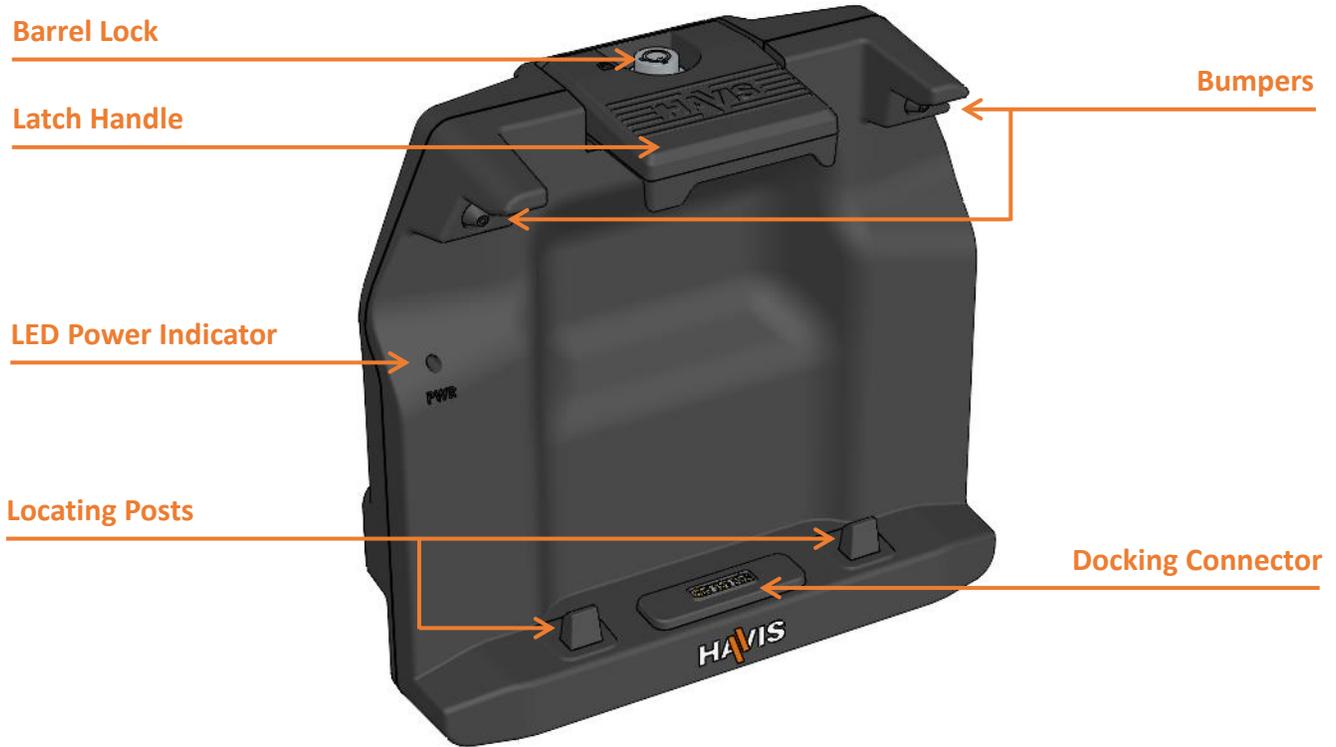
² Storage environment for the Dell tablet's battery is -20°C to 65°C (-4°F to 149°F).

Specifications (continued)



Parts Included

Docking Station



Parts Included (continued)

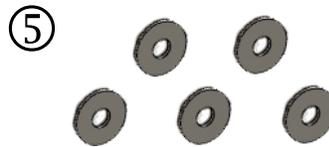
Hardware Kit (30-013743)

This hardware kit includes:

1. Zip ties (4)
2. Keys (2)
3. M4 x 0.7 x 12mm long screws (5)
4. Split lock washers (5)
5. M4 washers (5)

Tools required for installation:

- #2 Phillips (for M4 screws)



Power Cable (DS-DA-339)

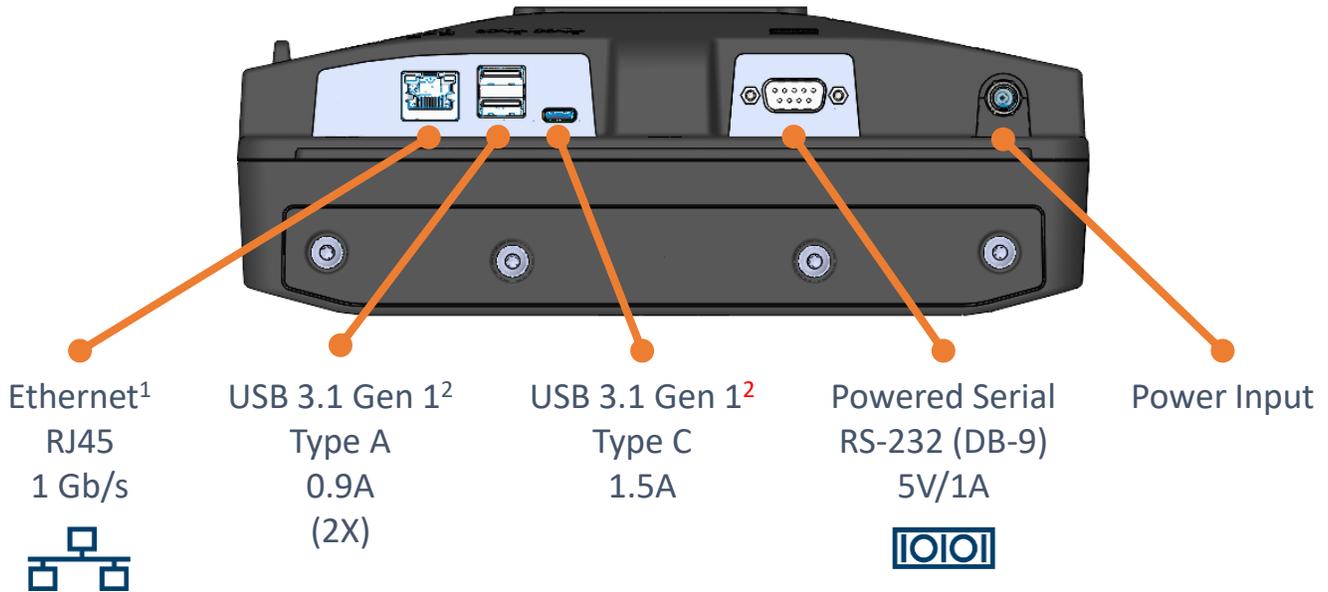
Included with the DS-DELL-1101 and DS-DELL-1102 only. Length is 6 ft. Cigarette lighter plug can be removed for hardwire installation.



Port Replication Capability

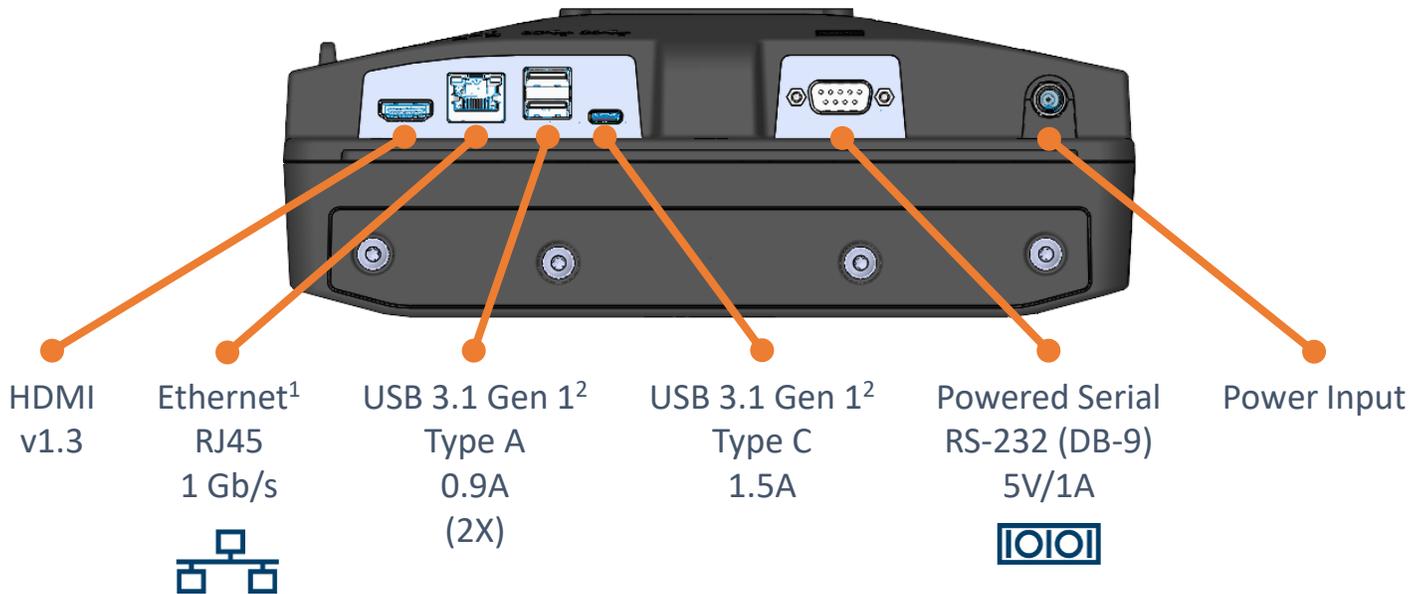
Downward Facing Ports – Standard Electronics

DS-DELL-1101, DS-DELL-1104



Downward Facing Ports – Advanced Electronics

DS-DELL-1102, DS-DELL-1107



LAN Speed	Green LED (LINK)	Yellow LED (ACTIVITY)
10Mb/s	Green	Yellow Flashing
100Mb/s	Green	Yellow Flashing
1000Mb/s	Green	Yellow Flashing

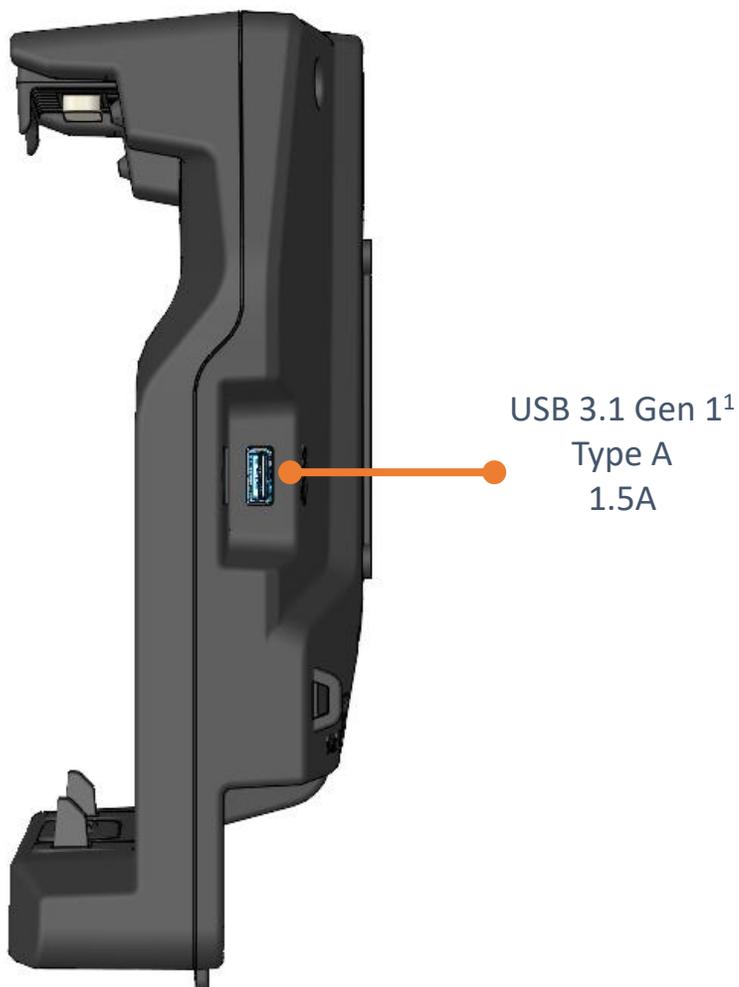
¹ PXE feature is not supported. Wake-On-LAN (WOL) feature is not supported from S4/S5 states.

² USB-A and USB-C ports do not support USB power delivery (USB PD) or DP-Alt Mode for video.

Port Replication Capability *(continued)*

Side Facing Ports

DS-DELL-1101, DS-DELL-1102, DS-DELL-1104, DS-DELL-1107

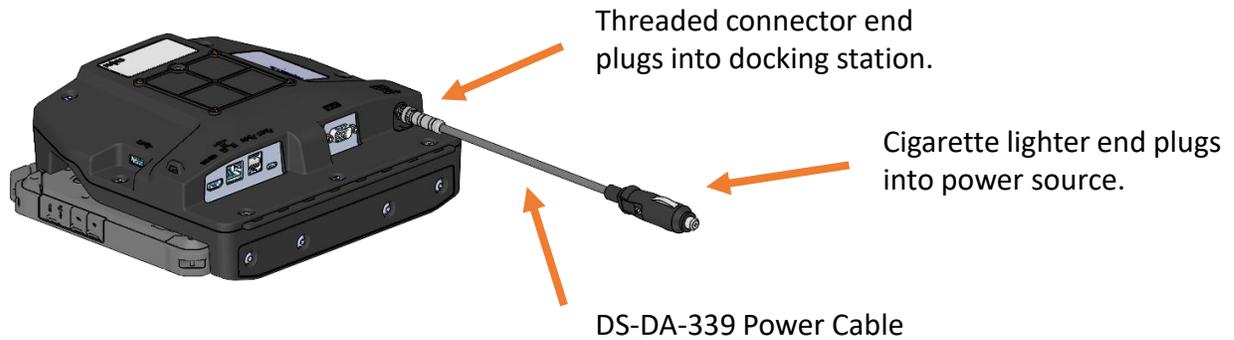


¹ USB ports do not support USB power delivery (USB PD).

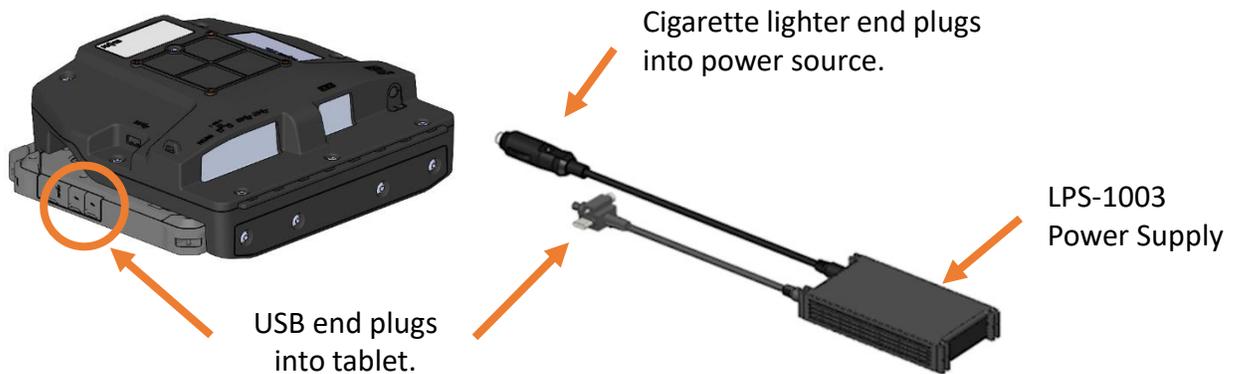
Power Input Configuration

There are several different power supply options for the DS-DELL-1100 Series Docking Station, as shown below.

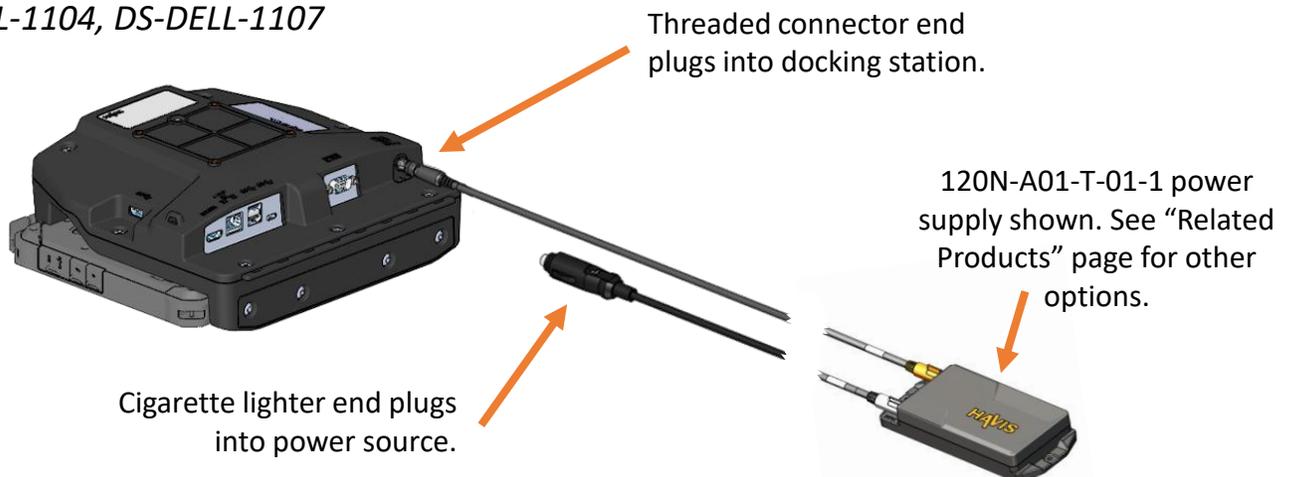
Internal Power Supply Configurations *DS-DELL-1101, DS-DELL-1102*



Cradle Configuration *DS-DELL-1103*



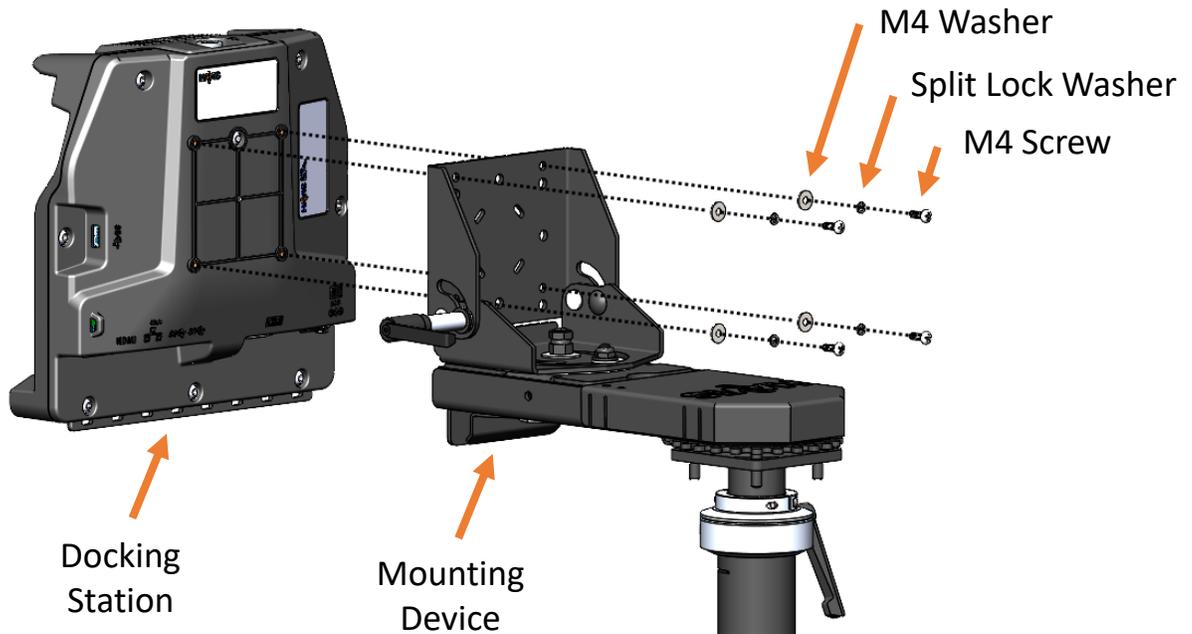
External Power Supply Configurations *DS-DELL-1104, DS-DELL-1107*



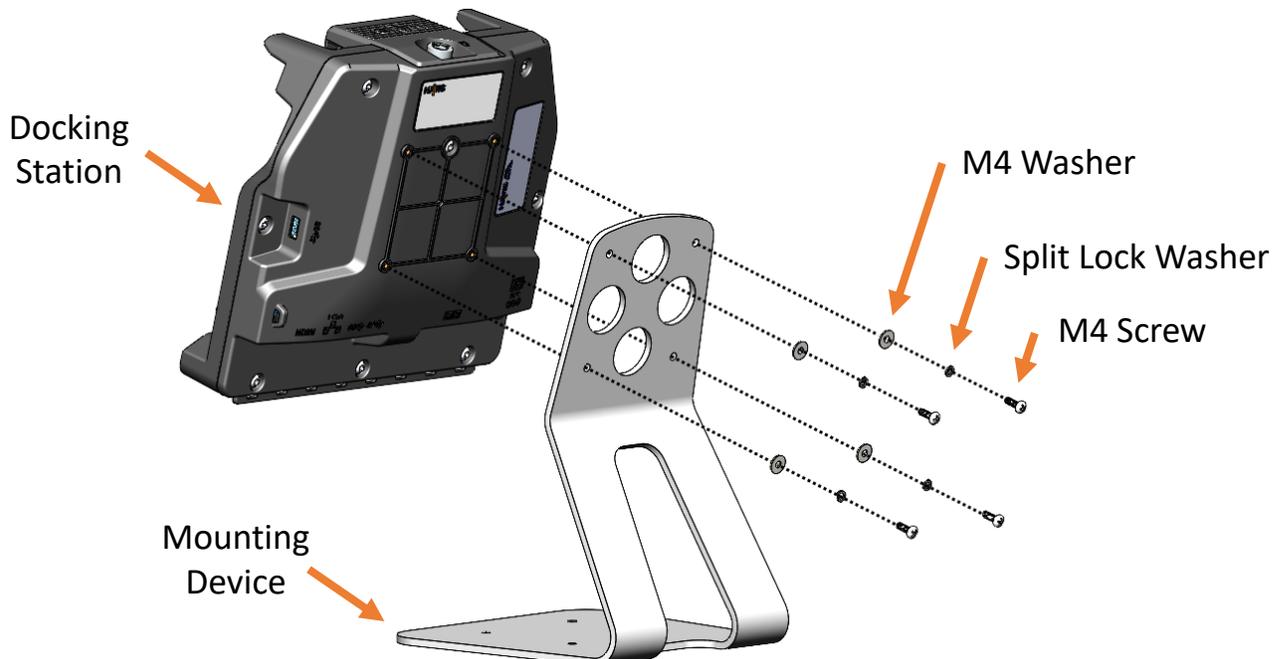
Installation

1) Align mounting holes of docking station with the hole pattern on desired mounting device. Use the provided hardware kit to fasten the docking station to the mounting device. Torque screws to 12-15 in-lbs (1.4-1.7 Nm).

A. Installation for Havis in-vehicle mounting system (sold separately).



B. Installation for Havis desktop stand (sold separately).



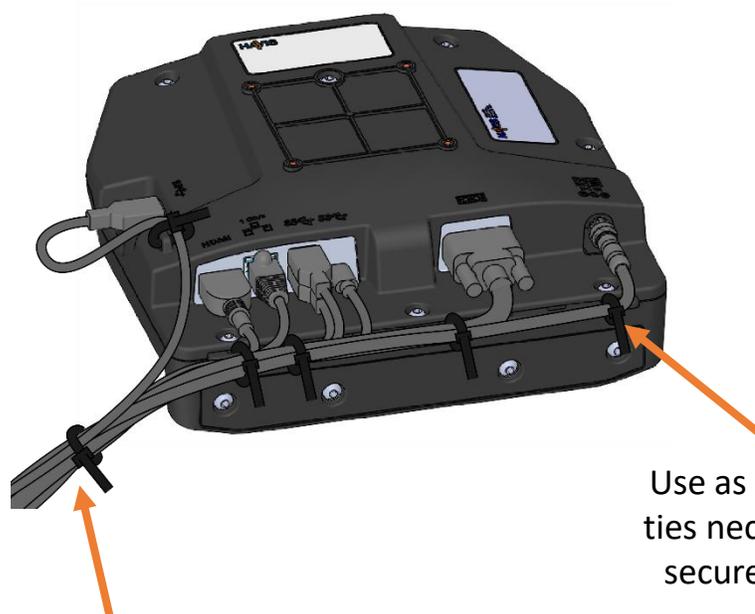
Cable Management

1) Connect desired cables to docking station. Use zip ties provided in hardware kit to fasten cables to strain relief points of the docking station.

A. Location of strain relief points.



B. Docking station with cables fastened to strain relief points.

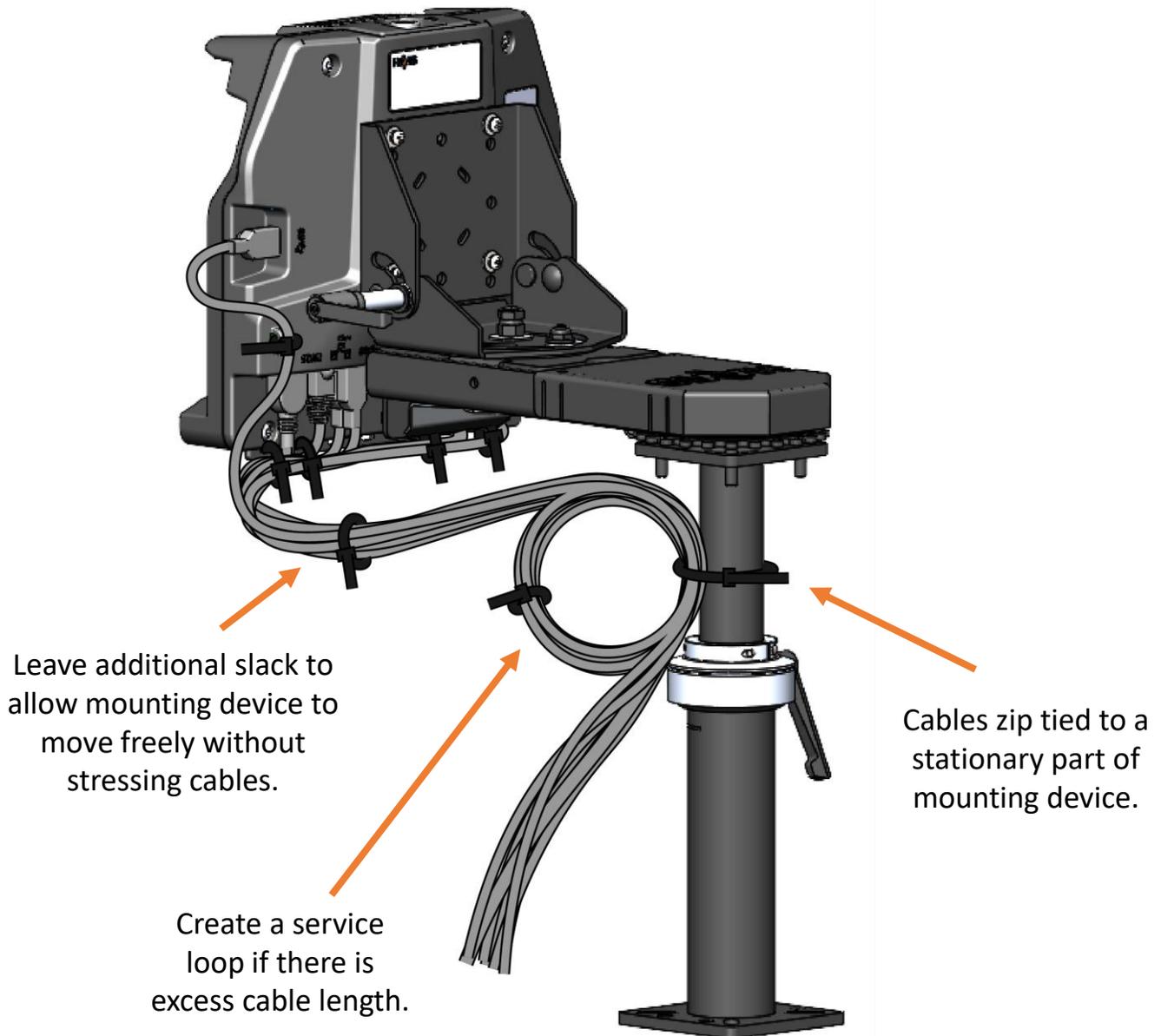


Route all cables together so they can be attached to the mounting device.

Use as many zip ties necessary to secure cables.

Cable Management *(continued)*

2) Zip tie cables onto a stationary part of the mounting device.

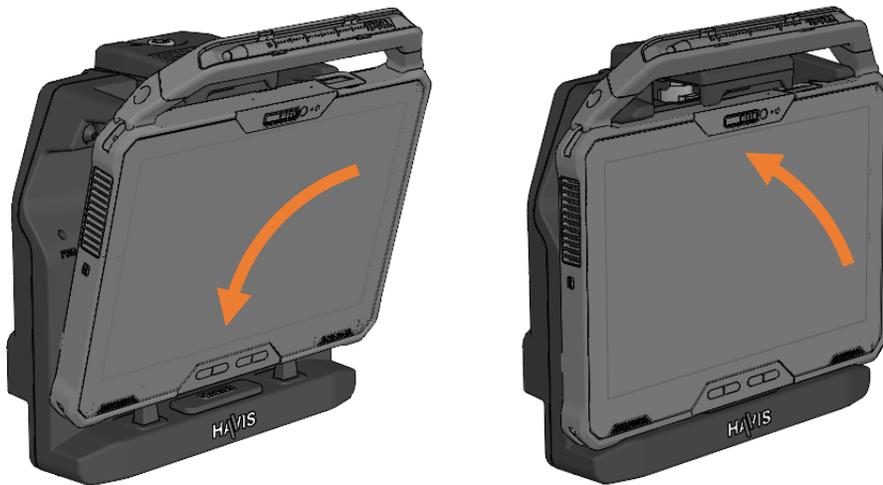


Operation - Docking

- 1) Press the lock button on top of the docking station to ensure it is unlatched.



- 2) Hold the tablet in landscape orientation. Lower the bottom of the tablet onto the docking station and then pivot the top until tablet is fully seated.

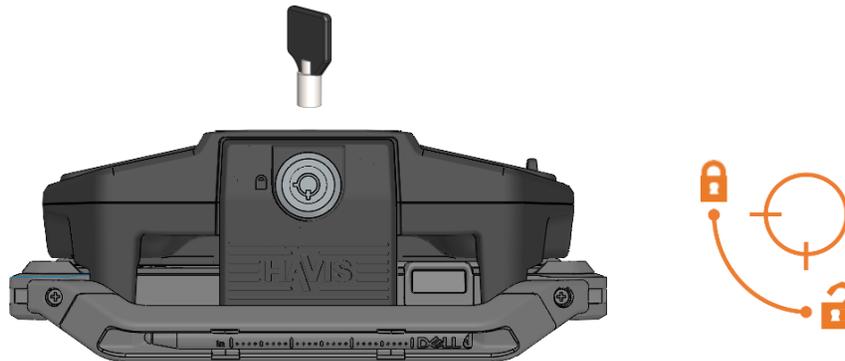


- 3) To secure the tablet, push downwards on the latch until a click is heard.



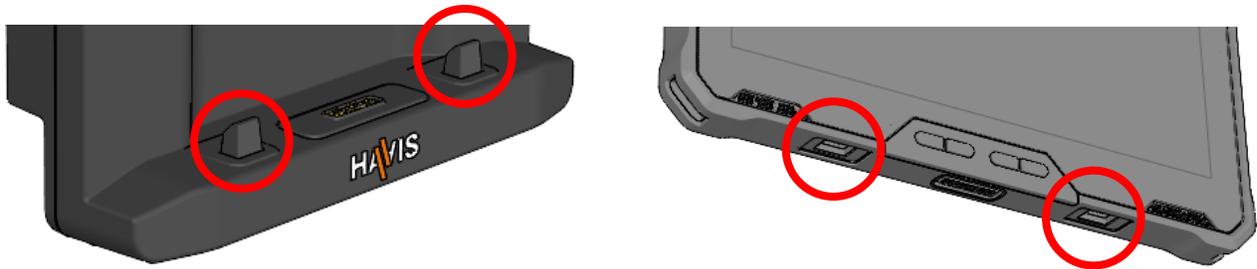
Operation - Docking (continued)

- 4) For theft deterrence, lock the docking station using the supplied key (hardware kit item #2).



CAUTION

DO NOT FORCE TABLET ONTO DOCKING STATION. IF THERE IS RESISTANCE, ENSURE THE LOCATING POSTS OF THE DOCKING STATION LINE UP WITH THE POCKETS OF THE TABLET.



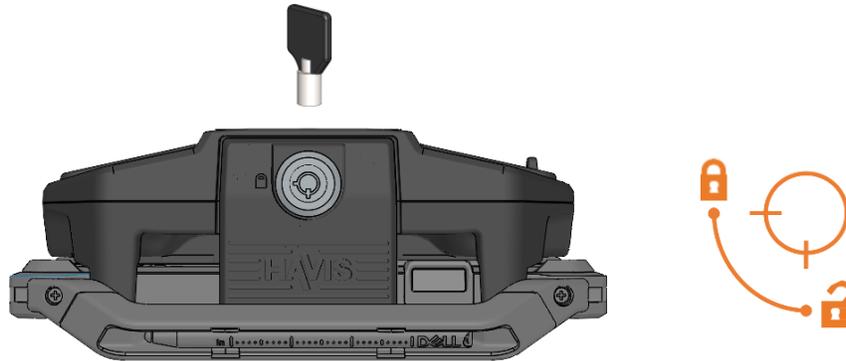
WARNING



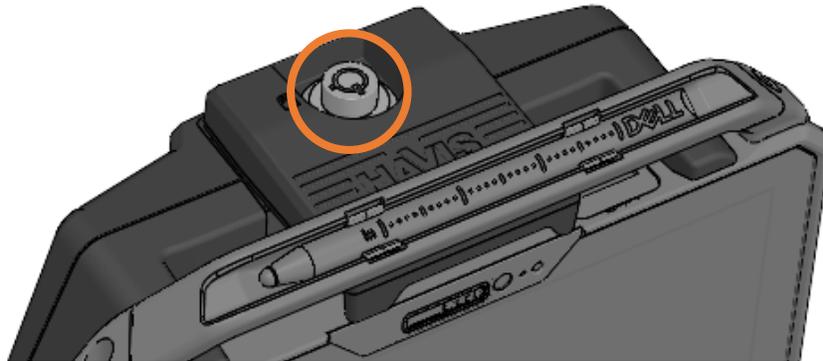
DO NOT DOCK TABLET BACKWARDS
IN THE DOCKING STATION.

Operation - Undocking

- 1) If previously locked, unlock the docking station using the supplied key (hardware kit item #2).



- 2) While securely holding the tablet, push the lock button on the top of the docking station to release the latch.



- 3) Remove the tablet by tilting it forward and lifting it out of the docking station.



Regulatory Information

Canada

CAN ICES-3 (B) / NMB-3 (B)

Class B equipment

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Équipement de classe B

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

United States of America

FCC Compliance

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Responsible party (contact for FCC matters only):

Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974
havis.com/contact-us

Regulatory Information *(continued)*

European Union

Waste Electrical and Electronic Equipment (WEEE)

Electrical and electronic equipment (EEE) contain materials, components and substances that can be hazardous and harmful to human health and the environment when WEEE is not disposed of properly.

Products marked with the "crossed-out wheeled bin" symbol are EEE. The crossed-out wheeled bin symbolizes that WEEE must not be disposed of together with unsorted household waste, but must be collected separately.

For this purpose, all municipalities have established collection schemes where WEEE can be handed in, free of charge, by citizens at recycling stations or other collection points or collected directly from households. Further information should be obtained from the municipality's technical administration.



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of WEEE. By separating and recycling your waste equipment at the time of disposal, you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. This product is EEE and shall not be placed in the municipal waste after end of its life. This device should be handled properly and handed over to appropriate collection places or to authorized companies.

Conformité Européene (CE) Mark



The CE marking on a Havis product indicates conformity to the provisions of applicable European Union (EU) directives. The EU Declaration of Conformity (DoC) is the manufacturer's declaration that the product complies with those directives.

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.



DS-DA-339
Power Cable

Power cable for DS-DELL-1101 and DS-DELL-1102 docking stations.



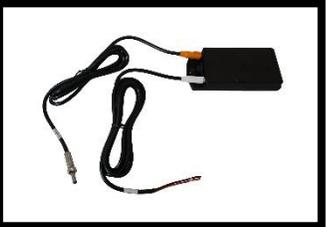
DS-DA-218
Desktop Stand

Durable stand for mounting the DS-DELL-1100 Series Docking Stations in the home or office.



DS-DA-502
Replacement Keys

Set of (2) replacement keys for the DS-DELL-1100 Series Docking Stations.



Power Supplies for DS-DELL-1104 and DS-DELL-1107

120N-A01-T-01-1

Havis 120W DC Power Supply w/Straight Connector

DS-DA-356

Cigarette Port Input Power Cable for Havis 120N Power Supplies

LPS-186

Isolated Power Supply w/ Hardwired Input Cable (12-32VDC)

LPS-187

Isolated Power Supply w/ Hardwired Input Cable (20-60VDC)

LPS-188

Isolated Power Supply w/ Hardwired Input Cable (70-110VDC)

LPS-198

AC Power Supply w/ Hardwired Output Cable

Power Supply for DS-DELL-1103

LPS-1003

Power Supply w/ USB-C Power Output Cable

