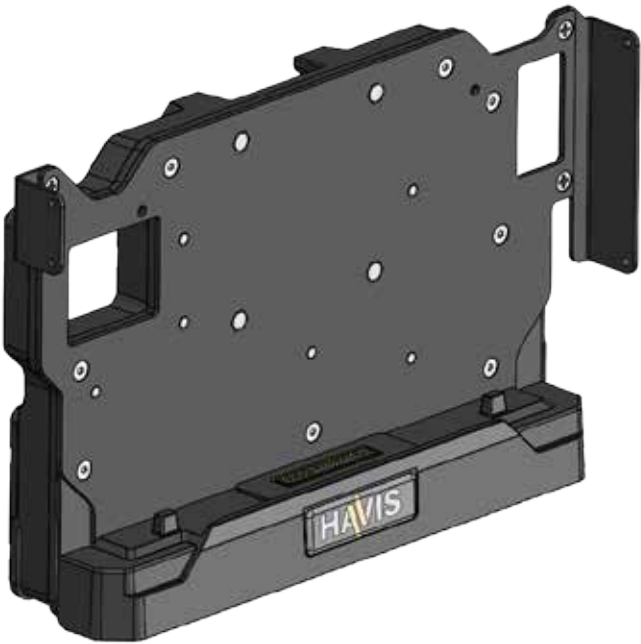


Owner's Manual

Havis Docking Station for Dell Latitude Rugged 12 Tablet

DS-DELL-700 Series

DS-DELL-701	DS-DELL-704
DS-DELL-702	DS-DELL-705
DS-DELL-703	DS-DELL-706



Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-DELL-700 Series Docking Station for the Dell Latitude Rugged 12 Tablet.

For questions regarding the set-up of your DS-DELL-700 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-701	DS-DELL-703	DS-DELL-705
DS-DELL-702	DS-DELL-704	DS-DELL-706

EC DECLARATION OF CONFORMITY

Manufacturers Name: Havis, Inc.

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

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

Product name:	Tablet Docking Station
Model:	DS-DELL-70x, where 'x' may be any alphanumeric character and which describes product options.
(Object of Declaration)	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 directives, standards, or other normative documents:

EMC Directive 2014/30/EU	EN 55022::2010/AC:2011
	EN 55024:2010

RoHS Directive 2011/65/EU	EN 50581:2012
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The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Supplementary Information:

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation.

Signed for and on behalf of Havis, Inc.:

Warminster, PA, USA

February 1, 2017

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-DELL-70X not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

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.

⚠ WARNING

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

⚠ WARNUNG

- DIE DOCKINGSTATION NIE IM BEREICH DER AIRBAGZONE AUFBEWAHREN ODER MONTIEREN.
- BENUTZEN SIE DEN COMPUTER NICHT, WENN SIE FAHREN.

⚠ ATTENTION

- NE JAMAIS PLACER OU INSTALLER LA STATION D'ACCUEIL DIRECTEMENT SUR LA ZONE DE DÉPLOIEMENT DE COUSSIN GONFLABLE DMUN VÉHICULE.
- NE PAS UTILISER L'ORDINATEUR EN CONDUISANT.

⚠ ADVERTENCIA

- NUNCA COLOQUE NI INSTALE LA BASE UNIVERSAL EN LA ZONA DE DESPLIEGUE DEL AIRBAG DE UN VEHÍCULO.
- NO USE LA COMPUTADORA MIENTRAS CONDUCE.

⚠ CAUTION

- READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.
- THE DS-DELL-700 SERIES SHIPS WITH A UNIQUE POWER CABLE AND IS EQUIPPED WITH AN INTERNAL POWER SUPPLY. REQUIRED INPUT VOLTAGE IS 10-18 VDC. IT IS RECOMMENDED TO WIRE THE POWER CABLE TO THE POWER SOURCE BY WAY OF A FUSE BLOCK WITH 10A FUSE MAX.
- DOCKING STATION MODELS DS-DELL-704, DS-DELL-705, & DS-DELL-706 ARE ONLY IP65 COMPLIANT WHEN INSTALLED ACCORDING TO HAVIS INSTALLATION GUIDELINES OUTLINED IN THIS MANUAL (SEE PAGES 11-14).
- THE DELL TABLET IS SECURED TO THE DOCKING STATION (SEE PAGES 8-9).

⚠ VORSICHT

- LESEN SIE SICH ALLE ANLEITUNGEN GANZ DURCH, BEVOR SIE MIT DER INSTALLATION BEGINNEN.
- DIE DS-DELL-700 SERIEWIRD MIT EINEM SPEZIFISCHEN STROMKABEL VERSCHICKT UND IST MIT EINER INTERNEN STROMVERSORGUNG AUSGESTATTET. DIE ERFORDERLICHE EINGANGSSPANNUNG LIEGT BEI 10-18 VDC. ES WIRD EMPFOHLEN, DAS STROMKABEL MIT DER STROMQUELLE ÜBER EINE SICHERUNG MIT MAX. 10 A ABZUSICHERN.
- DIE DOCKINGSTATIONSMODELLE DS-DELL-704, DS-DELL-705, & DS-DELL-706 ERFÜLLEN NUR DIE KATEGORIE IP65, WENN SIE GEMÄSS DER INSTALLATIONSRICHTLINIEN VON HAVIS INSTALLIERT WERDEN, WIE SIE IN DIESEM HANDBUCH BESCHRIEBEN WERDEN (SIEHE SEITEN 11 - 14).
- DAS DELL TABLET IST AN DER DOCKINGSTATION GESICHERT (SIEHE SEITEN 8 - 9).

⚠ PRUDENCE

- LIRE ATTENTIVEMENT TOUTES LES INSTRUCTIONS AVANT DE DÉBUTER L'INSTALLATION.
- LA SÉRIE DS-DELL-700 EST LIVRÉE AVEC UN SEUL CÂBLE D'ALIMENTATION ET EST ÉQUIPÉE D'UNE SOURCE D'ALIMENTATION INTERNE. LA TENSION D'ENTRÉE REQUISE EST DE 10-18 VDC. IL EST RECOMMANDÉ DE BRANCHER LA SOURCE D'ALIMENTATION PAR LE BIAIS D'UN BLOC DE FUSIBLES AVEC UN FUSIBLE DE 10A MAXIMUM.
- LES MODÈLES DE STATIONS DS-DELL-704, DS-DELL-705 ET DS-DELL-706 SONT CONFORMES À LA NORME IP 65 UNIQUEMENT LORSQU'INSTALLÉS SELON LES LIGNES DIRECTRICES D'HAVIS SE TROUVANT DANS CE MANUEL (VOIR PAGES 11-14).
- LA TABLETTE DELL EST FIXÉE À LA STATION D'ACCUEIL (VOIR PAGES 8-9).

⚠ PRECAUCIÓN

- LEA BIEN TODAS LAS INSTRUCCIONES ANTES DE COMENZAR LA INSTALACIÓN.
- LA SERIE DS-DELL 700 VIENE CON UN CABLE DE ALIMENTACIÓN ESPECÍFICO Y UNA FUENTE DE ALIMENTACIÓN INTERNA. LA CORRIENTE DE ENTRADA REQUERIDA ES DE 10-18 VCC. SE RECOMIENDA CONECTAR EL CABLE DE ALIMENTACIÓN A LA FUENTE USANDO UN BLOQUE DE FUSIBLES DE 10A MÁX.
- LOS MODELOS DE BASES UNIVERSALES DS-DELL-704, DS-DELL-705 Y DS-DELL-706 SOLO CUMPLEN CON IP65 CUANDO SE INSTALAN DE ACUERDO CON LAS INSTRUCCIONES DE INSTALACIÓN DE HAVIS DESCRIPTAS EN ESTE MANUAL (VER PÁGINAS 11-14).
- COLOQUE LA TABLETA DELL CORRECTAMENTE EN LA BASE UNIVERSAL (VER PÁGINAS 8-9).

Table of Contents

Specifications	4
Parts Included	4
Port Replication Capability	6
Cable Management	7
Mounting Your Dell Latitude 12 Rugged Tablet	9
Installation	12
IP-65 Cable Installation	14

Precautions

- Do not place metal objects or containers of liquid on top of the Docking Station
- If a malfunction occurs, immediately unplug the Power Cable and remove the tablet
- Use only the specified Power Cable (*Part # DS-DA-319*)
- 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

Specifications

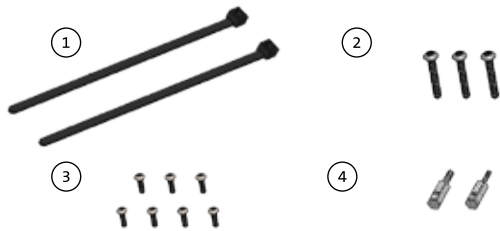
Power Supply Input	12 VDC IN NOM (10-17 VDC IN)
Dimensions	7.7" (19.5 cm) H x 12.7" (32.2 cm) W x 2.6" (6.7 cm) D
Weight	2.5 lbs (1.13 kg)
Operating Environment	-29° C to 63° C (-20° F to 145° F)
Storage Environment	-40° C to 85° C (-40° F to 185° F)

Parts Included

Hardware Kit (*HWK-0048*)

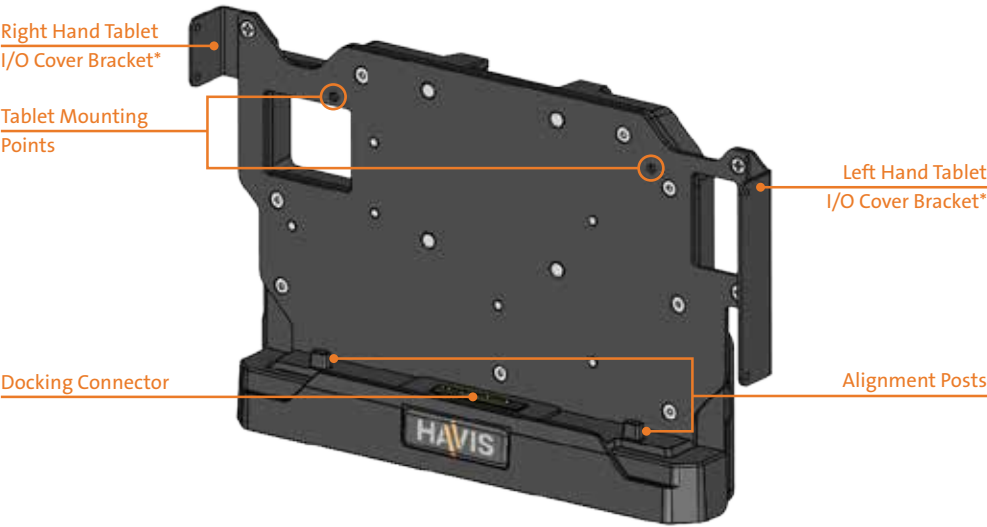
This Hardware Kit includes:

1. Zip Ties (2)
2. M4 x 25mm long
Tamper-Proof Screws (3)
3. #4-40 x 3/8" long
Tamper-Proof Screws (7)
4. T8 Tamper-Proof Torx Bit (1)
(For attaching I/O Cover to Docking Station)
T15 Tamper-Proof Torx Bit (1)
*(For attaching Dell Tablet to Docking Station, and
attaching Docking Station to Mounting Equipment)*

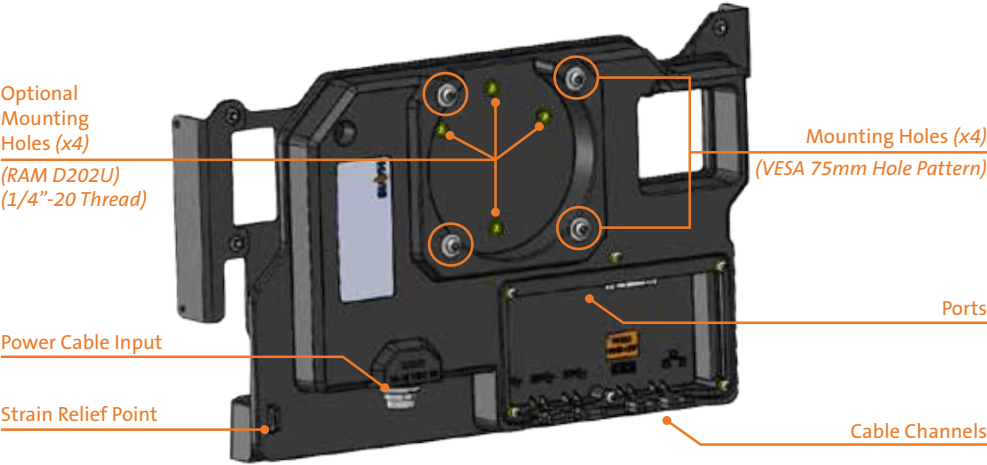


Parts Included (continued)

Docking Station



* - Removeable for tablet I/O access - Must be removed prior to Tablet installation.



Power Cable

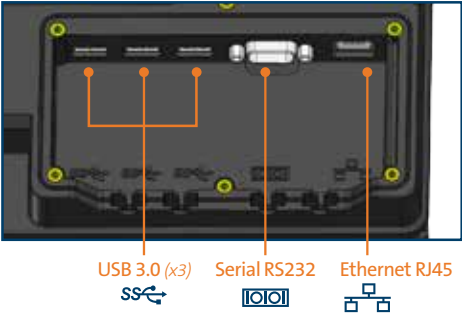


I/O Cover

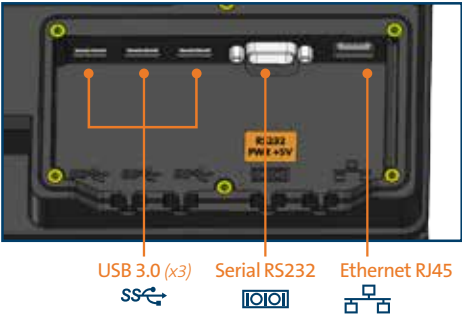


Port Replication Capability

DS-DELL-701 & DS-DELL-704

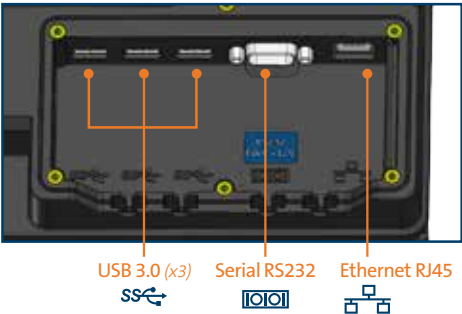


DS-DELL-702 & DS-DELL-705



Powered RS232 serial port.
+5V on pin #9

DS-DELL-703 & DS-DELL-706



Powered RS232 serial port.
+12V on pin #9

Screen Blanking Solution (optional)

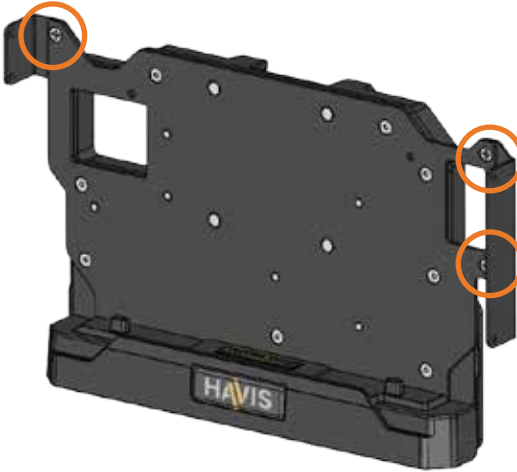


PKG-DS-DELL-700 Series Docking Stations are equipped with Havis Screen Blanking Solution powered by Blank-It (Part # DS-DA-801).

Always install Blank-It USB dongle in furthest left hand USB Port as shown.

Cable Management

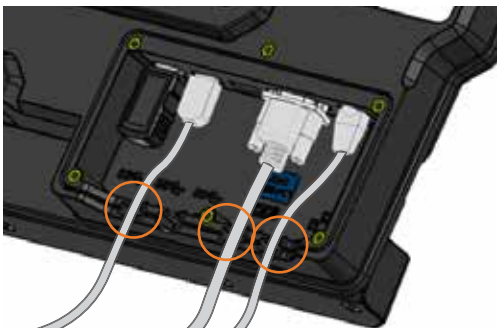
- 1) If access to Rugged Tablet I/O is desired, remove the right hand and/or left hand Tablet I/O Cover Brackets from the Docking Station using a #2 Phillips driver (3 places).



- 2) Connect Power Cable as shown and hand tighten. Do not over-tighten or damage to connector may result.



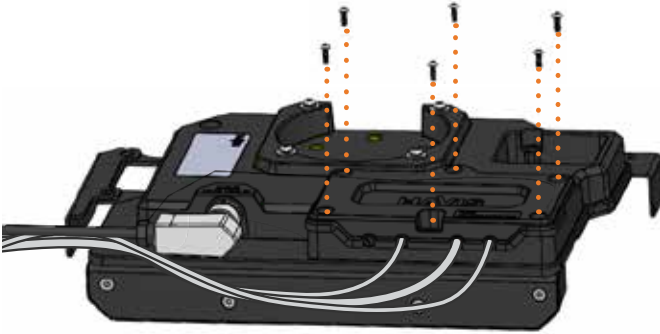
- 3) Connect peripherals and route cables through cable channels as shown.



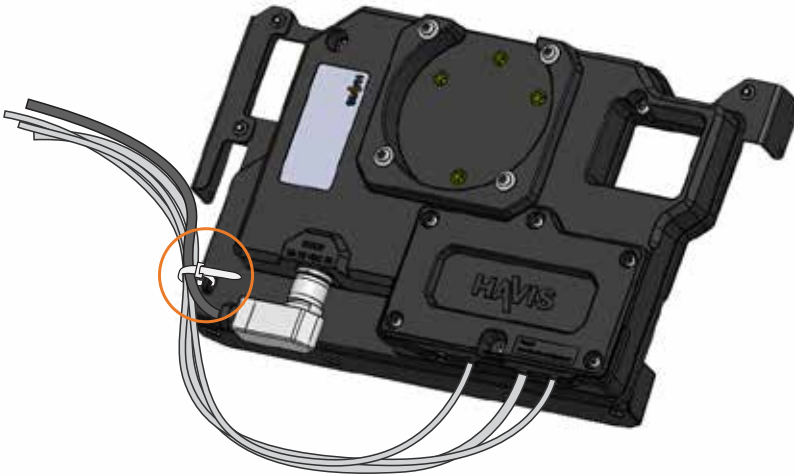
Cable Management (*continued*)

- 4) Secure I/O Cover to Docking Station, being careful not to pinch cables. Use T8 Torx Bit (Hardware Kit Item #4) and (6x) #4-40 x 3/8" long Tamper-Proof Screws (Hardware Kit Item #3). Torque screws to 8 - 10 in-lbs (0.9 - 1.1 Nm).

NOTE: If a DS-DELL-704/705/706 was purchased, go to page 11 for IP-65 Cable Installation prior to securing the I/O Cover to Docking Station.



- 5) Bundle all cables and route as shown to the corner of Docking Station and secure with Zip Ties provided (Hardware Kit Item #1).



⚠CAUTION

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

⚠VORSICHT

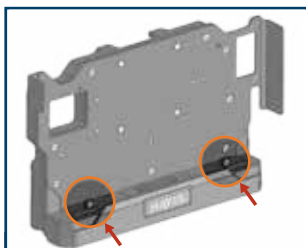
DAS TABLET NICHT MIT KRAFTAUFWAND AUF DER DOCKINGSTATION PLATZIERENSOLLTE EIN WIDERSTAND VORHANDEN SEIN, DIE AUSRICHTUNG DES TABLETS AUF DER DOCKINGSTATION ÜBERPRÜFEN.

⚠PRUDENCE

NE PAS FORCER LA TABLETTE SUR LA STATION D'ACCUEIL. S'IL Y A DE LA RÉSISTANCE, VÉRIFIEZ L'ALIGNEMENT DE LA TABLETTE SUR LA STATION D'ACCUEIL.

⚠PRECAUCIÓN

NO FUERCE LA TABLETA EN LA BASE. SI NO ENTRA BIEN, VERIFIQUE QUE ESTÉ CORRECTAMENTE ALINEADA CON LA BASE.

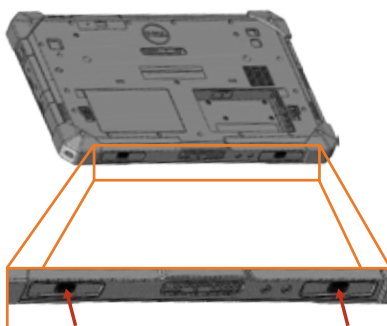


Your tablet's Alignment Sockets will align with the Docking Station's Alignment Posts.

Die Zentrierungsaussparungen werden sich mit den Zentrierungsstiften der Dockingstation ausrichten.

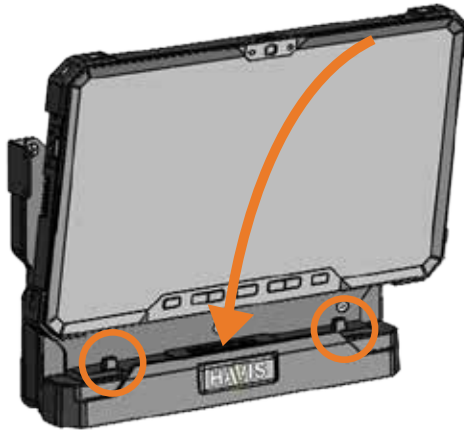
Les prises d'alignement de votre tablette s'aligneront avec les tiges d'alignement de la station d'accueil.

Las guías de alineación de su tableta deben estar alineadas con los Postes de alineación de la Base Universal.



Mounting Your Dell Latitude 12 Rugged Tablet (*continued*)

- 1) Orient Docking Station in an upright position. Hold tablet in landscape orientation, with bottom angled toward Docking Station. Lower tablet into the bottom of the Docking Station by aligning the tablet Alignment Sockets with the Docking Station's Alignment Posts.

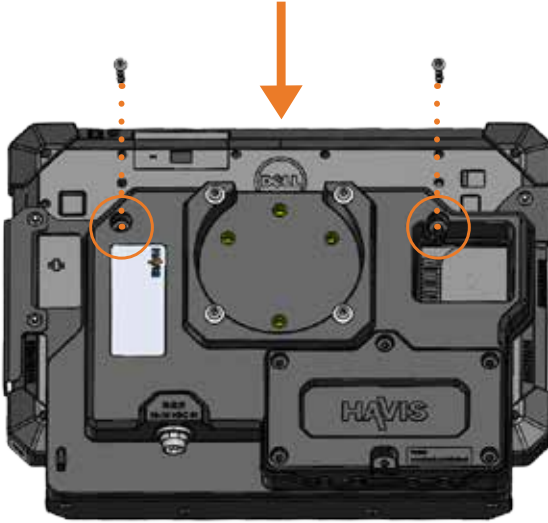


- 2) Pivot the top of tablet into Docking Station.



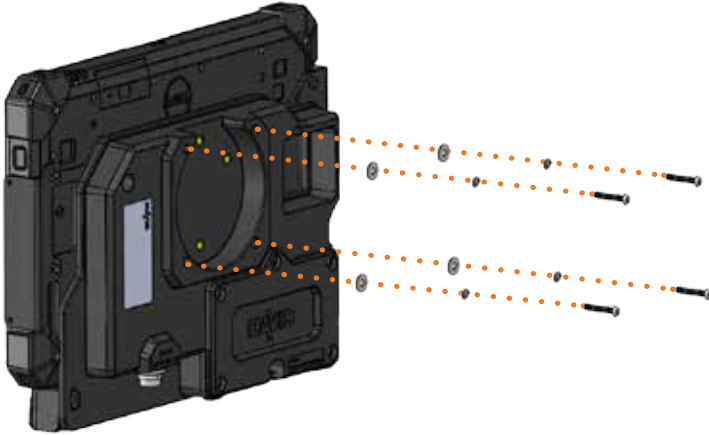
Mounting Your Dell Latitude 12 Rugged Tablet (*continued*)

- 3) While applying light downward pressure to tablet in direction of arrow shown, secure Tablet to Docking Station from the back side with T15 Tamper-Proof Torx Bit (Hardware Kit Item #4), using (2x) M4 x 25mm long Tamper-Proof Screws (Hardware Kit Item #2). Torque screws to 12 - 15 in-lbs (1.4 - 1.7 Nm).

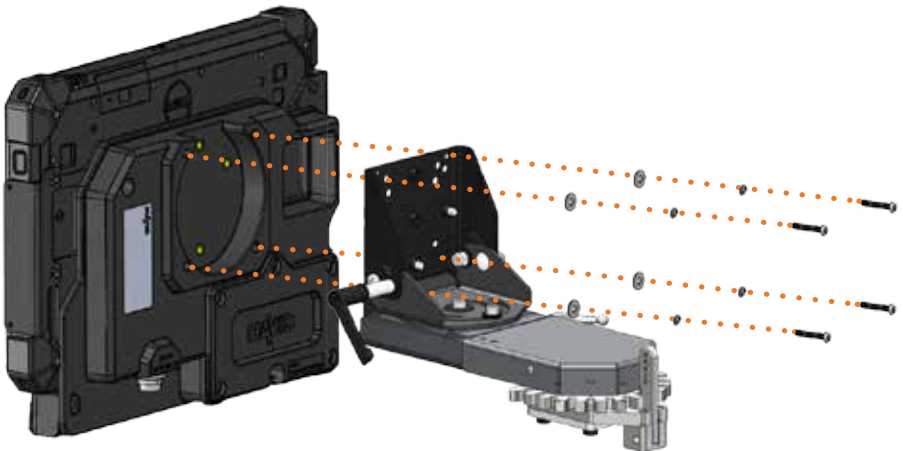


Installation

- 1) Remove the M4 screws (4 places) with T15 Tamper-Proof Torx Bit supplied. Be certain to retain screws, split lock washers, and flat washers for reassembly to compatible VESA 75 mounting equipment.



- 2) Align with compatible VESA 75 hole pattern motion or mounting device and hand start M4 screws, split lock washers, and flat washers from prior step into Docking Station as shown below. Torque screws to 12 - 15 in-lbs (1.4 - 1.7 Nm).



Optional Mounting Alternative

DS-DELL-700 Series is equipped with mounting features required to secure a Ram D202U Ball Mount. If this mounting method is desired, secure Ram Ball (not included) to DS-DELL-700 Series as shown using (4x) 1/4"-20 x 1/2" long flat head screws (not provided).

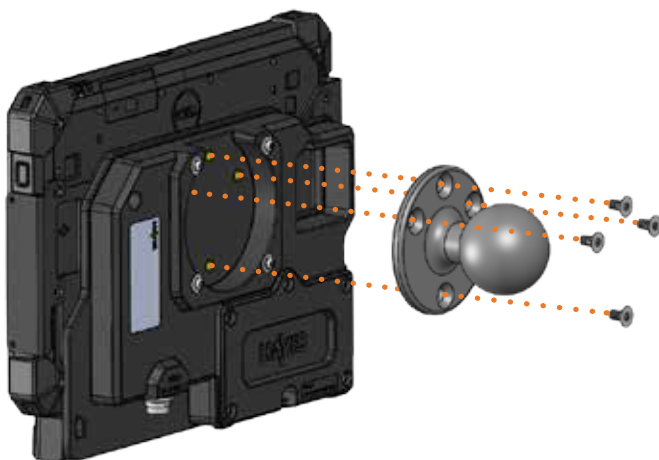
Torque screws to 50 - 60 in-lbs (5.6 - 6.8 Nm).

⚠ CAUTION FOR THIS MOUNTING METHOD, DO NOT REMOVE VESA 75 MOUNTING HARDWARE.

⚠ VORSICHT ENTFERNEN SIE FÜR DIESE BEFESTIGUNGSMETHODE NICHT DIE VESA 75 BEFESTIGUNGSHARDWARE.

⚠ PRUDENCE POUR CETTE MÉTHODE DE MONTAGE, NE PAS RETIRER LA QUINCAILLERIE VESA 75.

⚠ PRECAUCIÓN PARA ESTE MÉTODO DE MONTAJE, NO RETIRE LOS TORNILLOS DEL MONTAJE VESA 75.



IP-65 Cable Installation

DS-DA-104 Kit Contents

- Sealing Element (x10)
(8 required for installation)



- Grease Pack (x1)



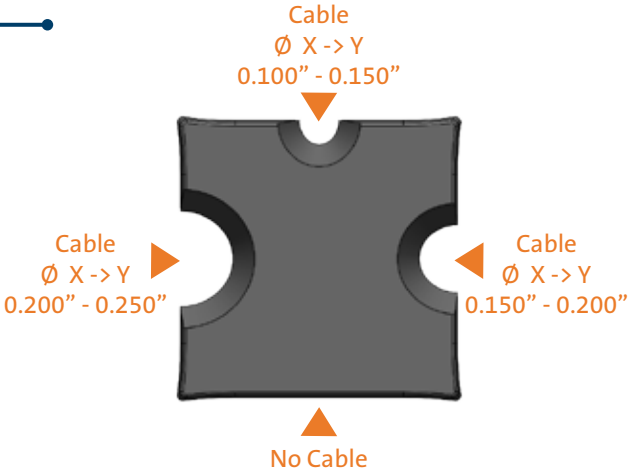
- Caution Card



Cable Sizing Diagram

⚠CAUTION

DO NOT INSTALL CABLES GREATER THAN $\varnothing 0.250''$ OR SMALLER THAN $\varnothing 0.100''$, OR YOUR IP-65 SEAL MAY BE COMPROMISED.



⚠VORSICHT

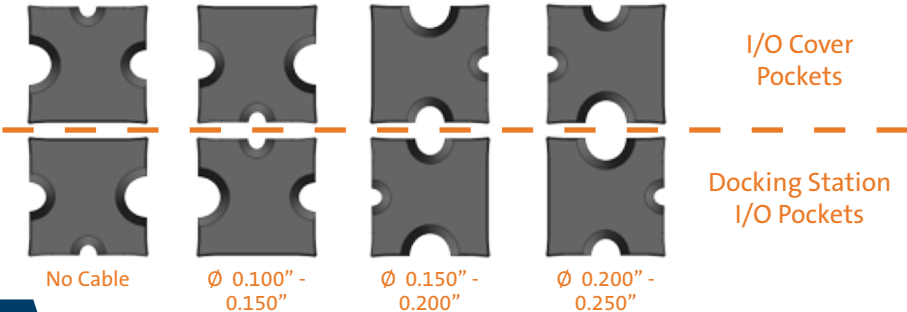
KEINEKABEL INSTALLIEREN, DIE GRÖßER ALS $\varnothing 0.250''$ ODER KLEINER ALS $\varnothing 0.100''$ SIND, DA ANSONSTEN IHRE IP-65 ABDICHTUNG GEFÄHRDET WERDEN KÖNNTE.

⚠PRUDENCE

NE PAS INSTALLER DE CÂBLES DE PLUS DE $\varnothing 0.250''$ OU PLUS PETITS QUE $\varnothing 0.100''$, OU VOTRE SCAU POURRAIT ÊTRE COMPROMIS.

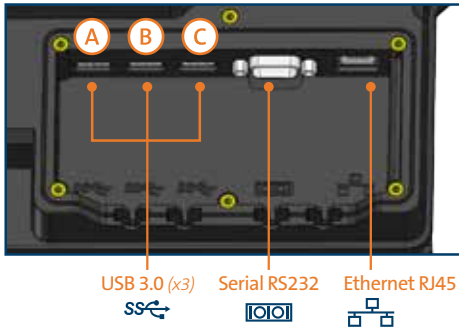
⚠PRECAUCIÓN

NO INSTALE CABLES DE MÁS DE $0.250''$ NI MENOS DE $0.100''$ DE DIÁMETRO YA QUE PUEDE AFECTAR EL SELLO DE SU IP-65.

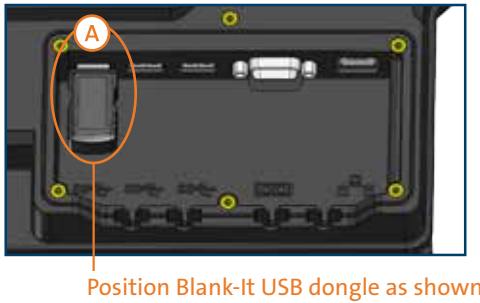


IP-65 Cable Installation (*continued*)

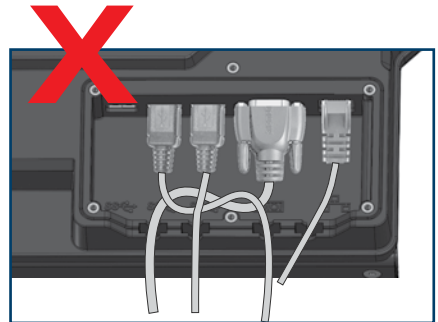
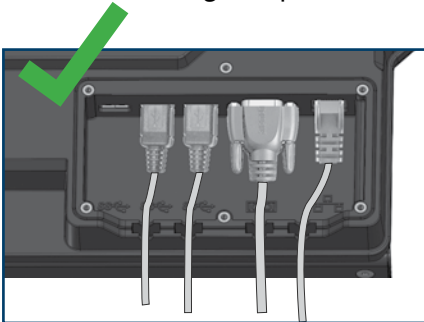
- 1) For IP-65 enclosure you may populate up to four (4) of the available I/O Ports in any combination.



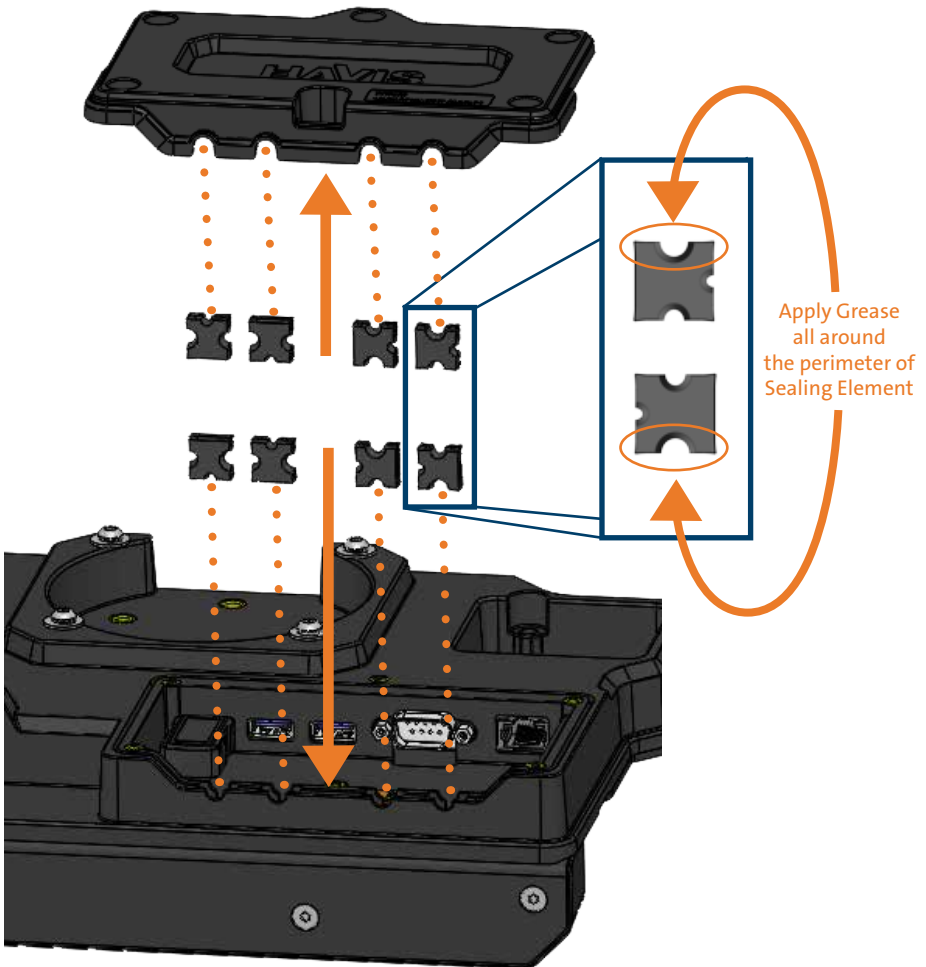
NOTE: If using a DS-DA-801 Screen Blanking USB dongle, it must be inserted in USB port (A).



- 2) Identify the number of peripherals to be connected and measure respective cable diameters.
- 3) Plug peripherals into Docking Station's available ports.
- 4) Position cables in the closest Cable Channel being careful not to cross cables and route as straight as possible.

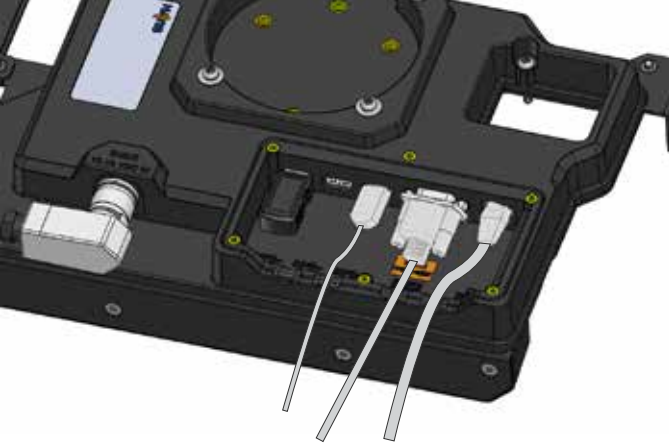


- 5) Using Sealing Element sizing from Page 11, choose appropriate orientation and apply a small amount of provided Silicone Grease to the opposite side perimeter of the Sealing Element and insert into corresponding housing receptacle on the Docking Station, greased end first. Repeat for all Cable Channels.
NOTE: If no cable present, insert Sealing Elements as indicated on Page 11.
- 6) Using the same Sealing Element orientation, insert a second Sealing Element into the I/O Cover at the same Cable Channel position. Repeat for all Cable Channels.



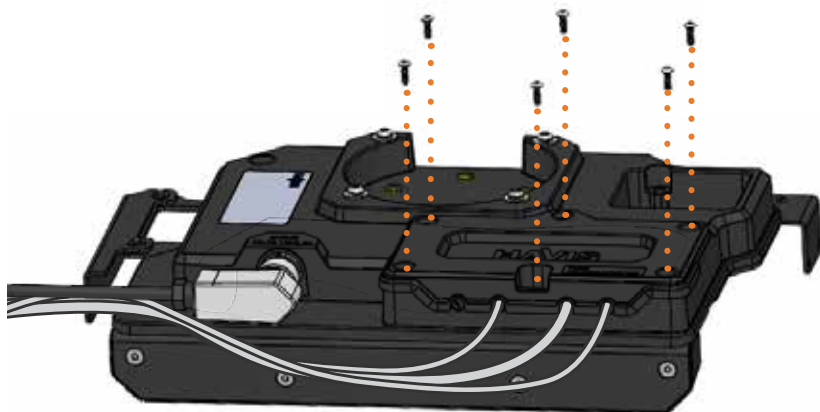
IP-65 Cable Installation (*continued*)

- 7) Before installing I/O Cover to Docking Station, ensure all Sealing Elements are fully seated and cables are aligned with Sealing Elements as shown.



IP-65 Cable Installation (*continued*)

- 8) Carefully lower I/O Cover with Sealing Elements onto Docking Station and secure with (6x) #4-40 x 3/8" long Tamper-Proof Screws (Hardware Kit Item #3). Torque screws to 8 - 10 in-lbs (0.9 - 1.2 Nm).



⚠CAUTION

IT IS IMPORTANT TO TORQUE ALL SCREWS TO 8 - 10 in-lbs (0.9 - 1.2 Nm) TO ENSURE A COMPLETE SEAL BETWEEN I/O COVER AND DOCKING STATION ENCLOSURE. USE THE PROVIDED T8 TORX BIT (HARDWARE KIT ITEM #4)

⚠VORSICHT

ES IST WICHTIG, ALLE Schrauben mit 8 - 10 in-lbs (0.9 - 1.2 Nm) ANZUZIEHEN. GEWÄHRLEISTEN SIE EINE VOLLSTÄNDIGE ABDICHTUNG ZWISCHEN DER E/A ABDECKUNG UND DEM GEHÄUSE DER DOCKINGSTATION. VERWENDEN SIE DIE MITGELIEFERTEN T8 TORX BITS (HARDWARE-SET POSTEN #4)

⚠PRUDENCE

IL EST IMPORTANT DE SERRER TOUTS LES VIS AU COUPLE 8 - 10 POUCES-LIVRE (0.9 - 1.2 Nm) POUR ASSURER UNE ÉTANCHÉITÉ COMPLÈTE ENTRE LE COUVERCLE I/O ET L'ENCEINTE DE LA STATION D'ACCUEIL. UTILISER L'EMBOUT T8 FOURNI (ARTICLE #4 DE L'ENSEMBLE DE QUINCAILLERIE) (HARDWARE KIT ITEM #4)

⚠PRECAUCIÓN

ES IMPORTANTE AJUSTAR TODOS LOS TORNILLOS EN 8 - 10 in-lbs (0.9 - 1.2 Nm) PARA ASEGURAR UN SELLADO CORRECTO ENTRE LA TAPA I/O Y LA CAJA DE LA BASE UNIVERSAL. USE LA PUNTA TORX T8 INCLUIDA EN EL KIT (ELEMENTO No.4)

Related Products

Havis offers a wide variety of accessory products specifically for use with the DS-DELL-700 Series Docking Station. For more information or to order, please visit www.havis.com.



DS-DA-218 *Desktop Stand*

Durable stand for mounting your product in the home or office.



DS-DA-104 *IP-65 Kit*

Sealing materials to ensure DS-DELL-700 Series Docking Station is IP-65 Compliant.
(Included with DS-DELL-704/705/706)



DS-DA-319 *Power Cable*

Replacement power cable for DS-DELL-700 Series Docking Stations.



DS-DA-801 *Screen Blanking Solution*

Powered by Blank-it, USB dongle manages In-vehicle computer displays and prevents driver distraction.



C-MH-1000 Series Products *Material Handling/Forklift Mounts*

Havis Forklift Overhead Mounting Packages for Computers mount securely over the top frame to maximize driver visibility and access.



Havis, Inc.

75 Jacksonville Road
Warminster, PA 18974
www.havis.com 1-800-524-9900