



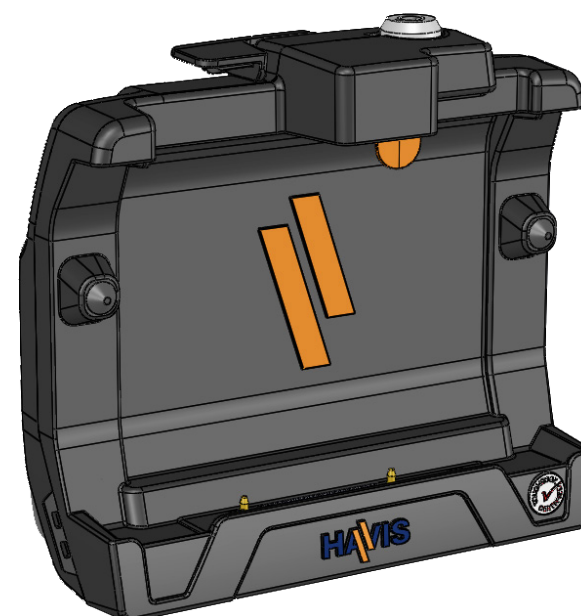
Owner's Manual

Havis Docking Station

For Panasonic Toughpads FZ-M1 & FZ-B2

DS-PAN-900 Series

DS-PAN-901	DS-PAN-905
DS-PAN-901-2	DS-PAN-905-2
DS-PAN-902	DS-PAN-906
DS-PAN-902-2	DS-PAN-906-2
DS-PAN-903	



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www.havis.com
1-800-524-9900

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-PAN-900 Series Docking Station for the Panasonic Toughpads FZ-M1 and FZ-B2.

For questions regarding the set-up of your DS-PAN-900 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-901	DS-PAN-902	DS-PAN-903*	DS-PAN-905-2*	DS-PAN-906-2*
DS-PAN-901-2	DS-PAN-902-2	DS-PAN-905*	DS-PAN-906*	

* Toughpad FZ-B2 is only compatible with DS-PAN-903, DS-PAN-905, DS-PAN-905-2, DS-PAN-906, & DS-PAN-906-2 Docking Stations

⚠ 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.
- ONLY TABLETS WITH RF PASS-THRU WILL LATCH INTO DOCKING STATIONS EQUIPPED WITH AN ANTENNA MODULE (DS-PAN-901-2, DS-PAN-902-2, DS-PAN-905-2, and DS-PAN-906-2). ATTEMPTING TO LATCH A TABLET WITH NON-RF PASS-THRU MAY RESULT IN DAMAGE TO THE TABLET AND/OR DOCKING STATION.
- FOR THE DS-PAN-901, DS-PAN-901-2, DS-PAN-902, DS-PAN-902-2, DS-PAN-905, DS-PAN-905-2, DS-PAN-906 AND DS-PAN-906-2 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Panasonic approved 24W power source rated for a continuous, 12VDC 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-903 DOCKING STATION: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: The Panasonic FZ-M1 & FZ-B2 tablets require a certified, Panasonic approved power source rated for a continuous, regulated 16VDC output. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.

NOTICE

- FOR DOCKING STATION MODELS EQUIPPED WITH A BUNDLED POWER SUPPLY (DS-PAN-902, DS-PAN-902-2, DS-PAN-906, DS-PAN-906-2), REFER TO THE SUPPLIED LIND POWER SUPPLY REFERENCE GUIDE.
- WHEN TABLET IS DOCKED, THE BATTERY WILL ONLY CHARGE BETWEEN 0°C to 50°C (32°F to 122°F). PLEASE REFER TO PANASONIC TOUGHPAD FZ-M1 & FZ-B2 OWNER'S MANUAL FOR MORE INFORMATION.

Havis offers a wide variety of accessory products specifically for use with the DS-PAN-900 Series Docking Station. For more information or to order, please visit www.havis.com.



DS-DA-218

Desktop Stand for Tablet Docking Stations

Durable stand for mounting tablet Docking Stations for use in the home or office.



LPS-102

90W Power Supply

External in-vehicle power supply and cable for Panasonic Toughpads FZ-M1 & FZ-B2 with cigarette lighter adaptor.



DS-DA-501

Replacement Keys

Set of two (2) replacement keys for DS-PAN-900 Series Docking Stations.



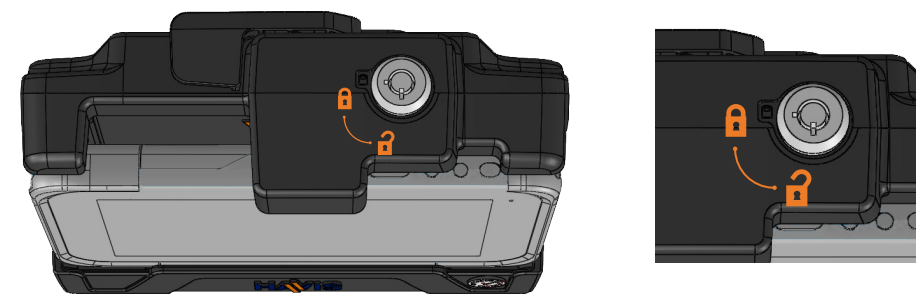
DS-DA-602

Rugged Communications Hub

Rugged USB/Ethernet hub makes adding peripherals to your mobile workspace easy and safe.

Operation - Docking (continued)

- 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) While holding tablet with one hand, lift the Latch Handle on the top of Docking Station.
- 3) Once unlatched grab both sides of tablet, rock the top forward and carefully lift out of Docking Station, top end first.

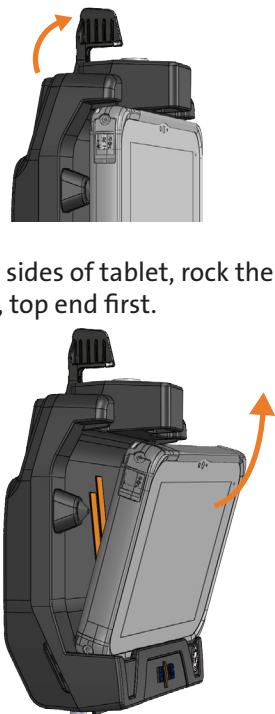


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Precautions

- 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 (Part # LPS-102) with this Docking Station
- Do not store the Docking Station where water, moisture, steam, dust, etc. are present
- 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
- Do not connect cables to the DC Power Port or Ethernet Port exceeding 3 meters in length.

Specifications

Power Supply Input	12.0 V DC-In
Dimensions	7.9" (20.1 cm) H x 8.6" (21.8 cm) W x 3.0" (7.6 cm) D
Weight	1.6 lbs (0.73 kg)
Operating Environment	-10° C to 50° C (14° F to 122° F)
Storage Environment	-40° C to 85° C (-40° F to 185° F)

EC DECLARATION OF CONFORMITY in accordance with EN 45014

Manufacturers Name: Havis, Inc.
Manufacturers Address: 47801 Anchor Court, Plymouth Twp, MI 48170 USA

Declares under our sole responsibility that the product:
Product name: Havis Docking Station For Panasonic Toughpad FZ-M1 & FZ-B2
Model: DS-PAN-90X, 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:
EMC Directive 2004/108/EC: EN 55022:2010, Class B, Information technology equipment -
Radio disturbance characteristics - Limits and methods of measurement
EN 55024:2010, Information technology equipment - Immunity characteristics -
Limits and methods of measurement
Directive 2011/65/EU Restriction of the use of certain hazardous substances (RoHS)
BS EN 50498:2010: Section 7, after market electronic equipment in vehicles.

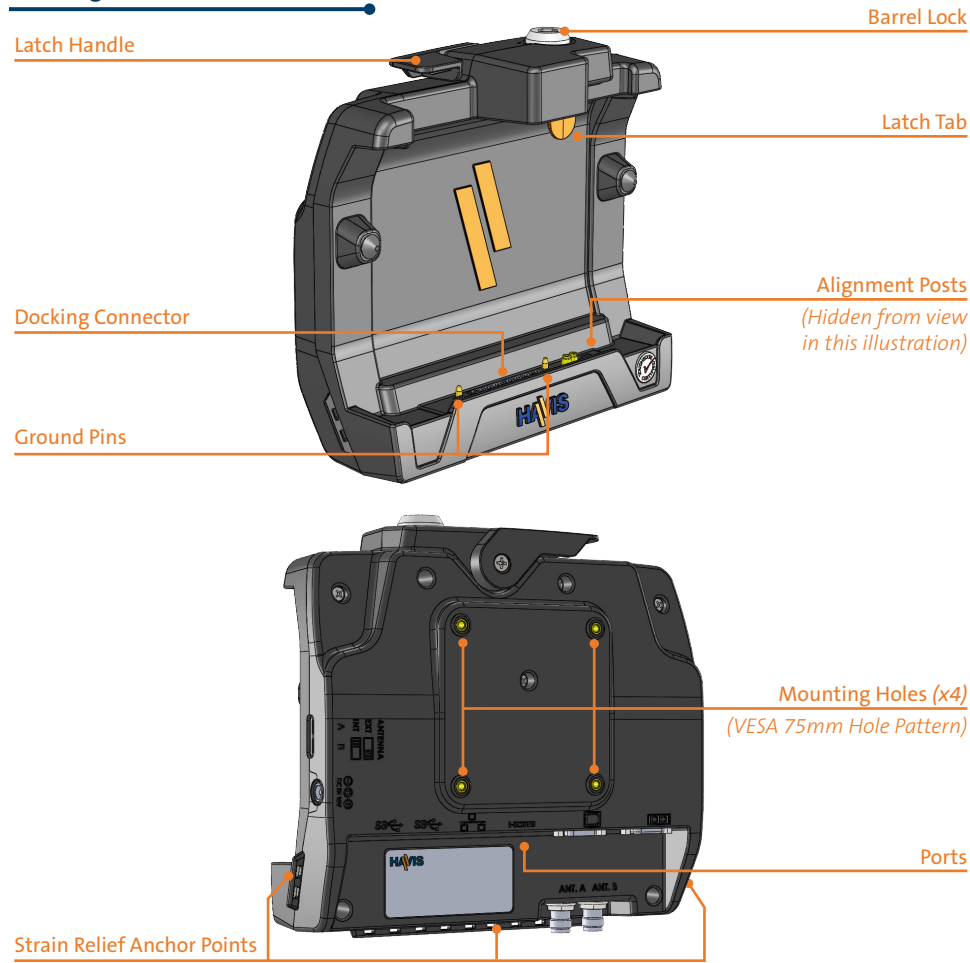
Supplementary Information:
The product herewith complies with the requirements of the EMC Directive 2004/108/EC. This product requires the use of the provided e-Marked automotive power supply when used within vehicles.

Plymouth twp, MI, USA February 23, 2015 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-90X not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

Parts Included

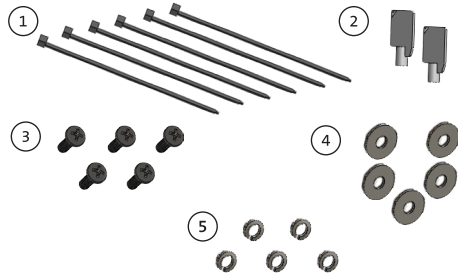
Docking Station



Hardware Kit

This Hardware Kit includes:

1. Zip Ties (6)
2. Keys (2)
3. M4 x 0.7 x 12mm long Pan Head Screws (5)
4. Washers, M4 (5)
5. Lock Washers, M4 (5)
Extra hardware provided

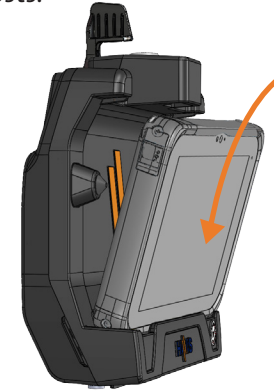


Tools required for installation:

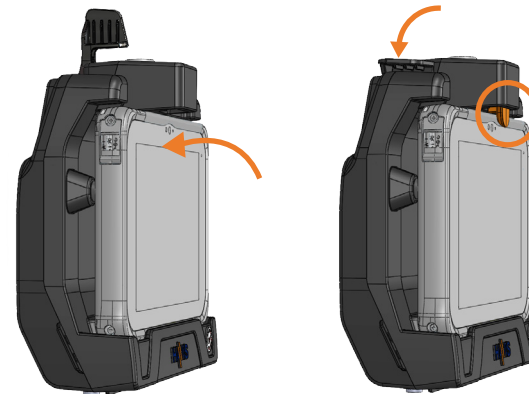
- #2 Philips Screwdriver
(For attaching Docking Station to VESA 75mm hole pattern equipment with Pan Head M4 x 0.7 x 12mm Screws)

Operation - Docking

- 2) Hold tablet in landscape orientation, with bottom angled toward the Docking Station. Lower tablet into the bottom of the Docking Station while ensuring that the alignment sockets are aligned with the Docking Station's Alignment Posts.

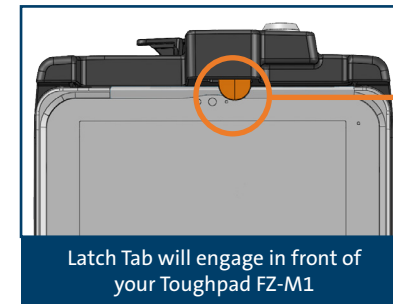


- 3) Pivot tablet into the Docking Station and lower the Latch Handle to secure tablet in place.



NOTICE

If there is excessive force while lowering the Latch Handle, check orientation and position of tablet



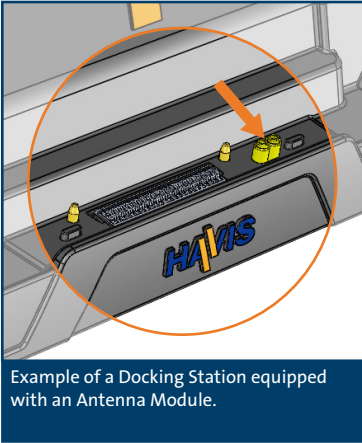
Latch Tab will engage in front of your Toughpad FZ-M1

CAUTION

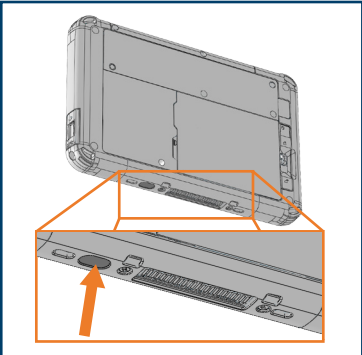
TO ENSURE A PROPER CONNECTION, PLEASE READ THE FOLLOWING BEFORE DOCKING YOUR TABLET.

DO NOT FORCE TABLET ONTO DOCKING STATION.
IF THERE IS RESISTANCE, CHECK THAT YOUR
TABLET IS CORRECTLY CONFIGURED FOR THE DOCKING STATION

ONLY TABLETS WITH RF PASS-THRU WILL LATCH INTO DOCKING
STATIONS EQUIPPED WITH AN ANTENNA MODULE
(DS-PAN-901-2, DS-PAN-902-2, DS-PAN-905-2, and DS-PAN-906-2).
ATTEMPTING TO LATCH A TABLET WITH NON-RF PASS-THRU MAY RESULT
IN DAMAGE TO THE TABLET AND/OR DOCKING STATION.

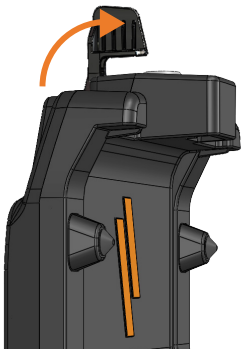


Example of a Docking Station equipped with an Antenna Module.



Example of a Tablet without RF Pass-Thru. DO NOT attempt to latch onto a Docking Station equipped with an Antenna Module.

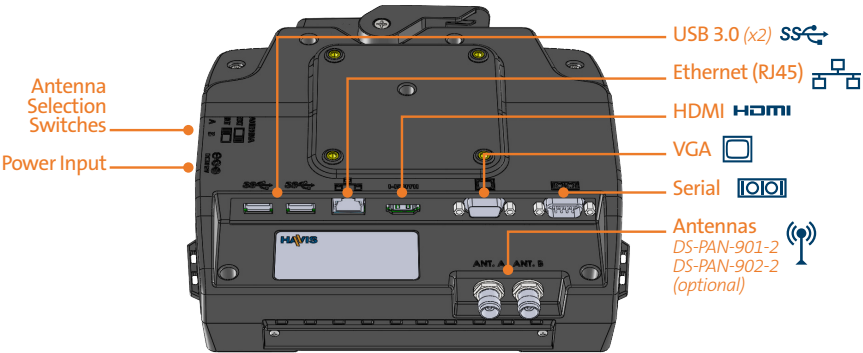
1) Ensure Docking Station is unlatched by lifting Latch Handle.



Port Replication Capability

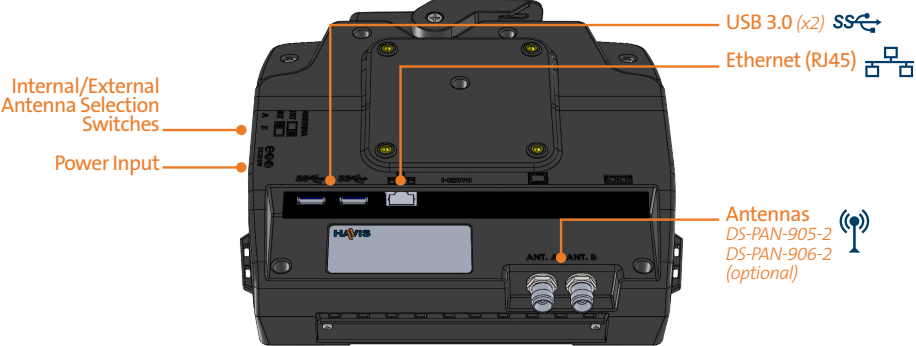
Full Port Replication for use with Toughpad FZ-M1

(DS-PAN-901, DS-PAN-901-2, DS-PAN-902, DS-PAN-902-2)



Lite Port Replication for use with Toughpads FZ-M1 & FZ-B2

(DS-PAN-905, DS-PAN-905-2, DS-PAN-906, DS-PAN-906-2)

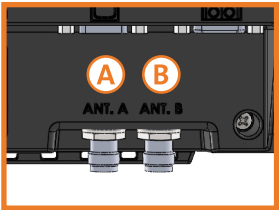


Antenna Identification (DS-PAN-901-2, DS-PAN-902-2, DS-PAN-905-2, DS-PAN-906-2)

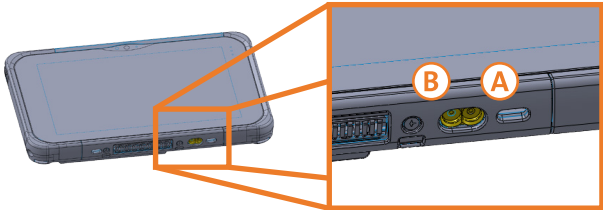
In reference to the Panasonic FZ-M1 Antenna connections

ANT A = Lower
ANT B = Upper

Downward Facing Antennas



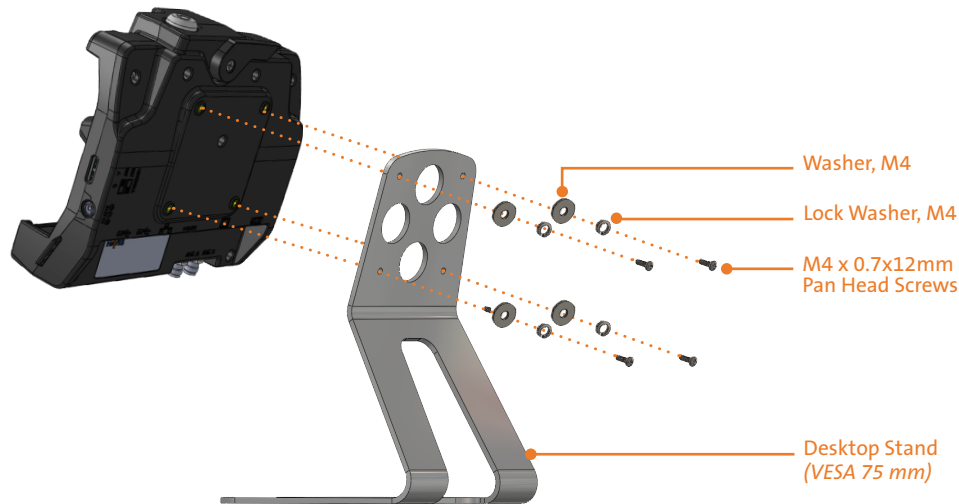
Tablet Interface



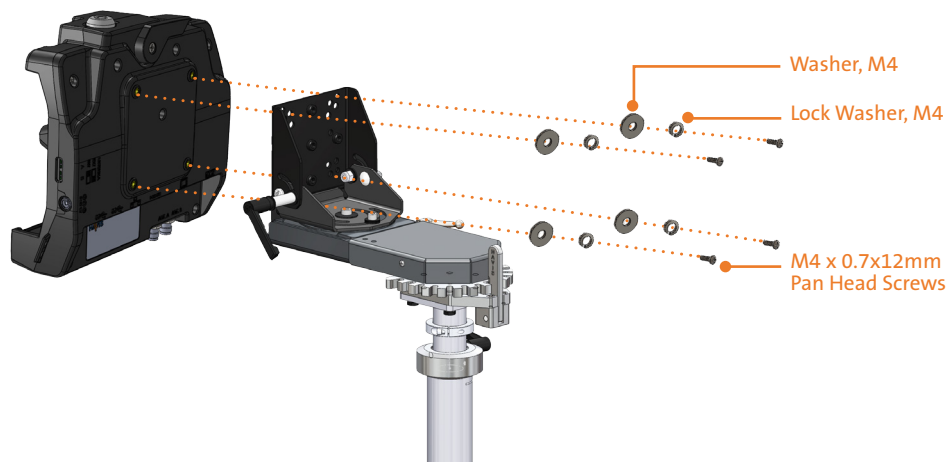
Installation

- 1) Align Docking Station mounting holes with the holes on VESA 75mm hole pattern device. Using the four (4) M4 x 0.7x12mm 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) $\pm$ 10%.

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

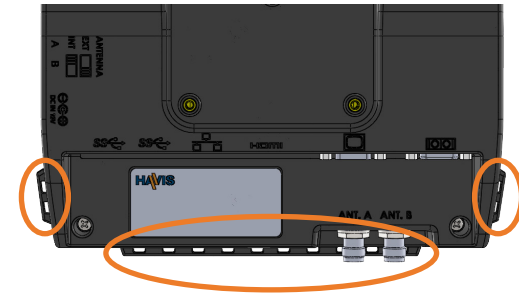


B) In-Vehicle mounting system installation.



Cable Management

- 1) Tip the Docking Station to a position that is comfortable to work with.
- 2) Connect all cables that are necessary for computing needs.
- 3) Use Zip Ties (Hardware Kit Item 1) to strain relieve cables. Strain Relief Points are located on the bottom and sides of Docking Station and should be used to anchor each cable.



- 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.

