TrimLine Vehicle Dock
For Panasonic CF-31 Toughbook Computers
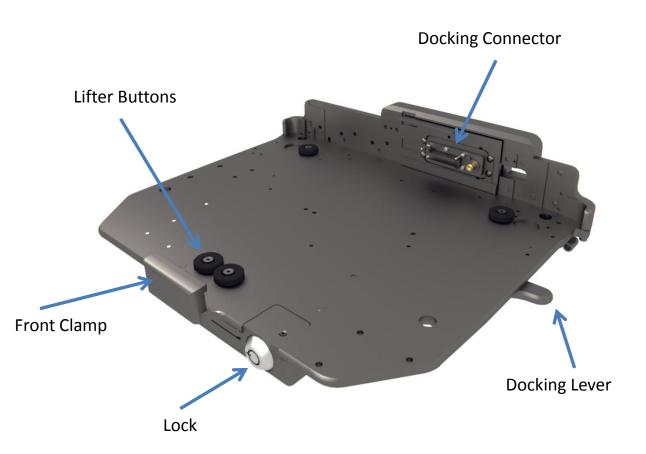
User Guide

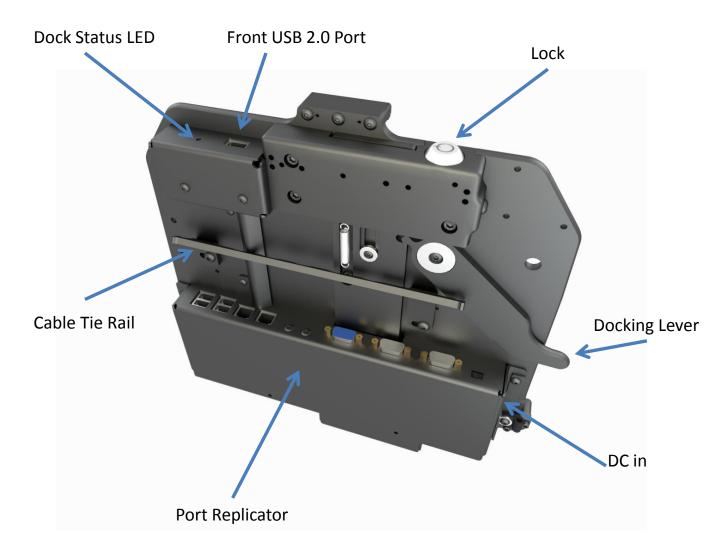| Description	Part Number
CF-31 NPT Vehicle Dock	AS7.P031.100
CF-31 SPT Vehicle Dock	AS7.P031.101
CF-31 DPT Vehicle Dock	AS7.P031.102

www.precisionmounts.com

Description of Parts and Layout

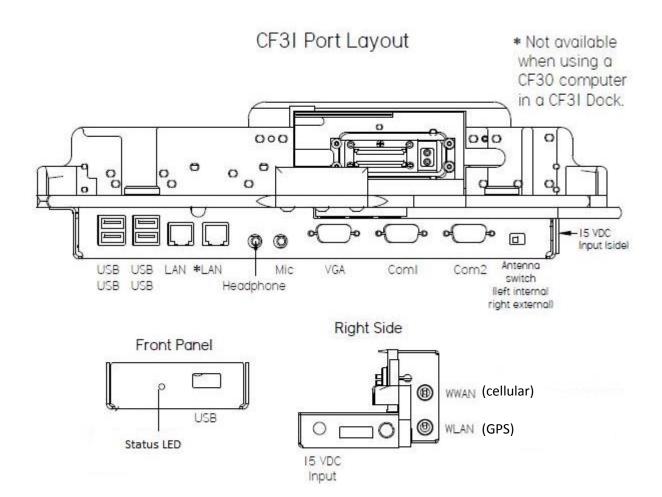## Top View

Docking Connector

Lifter Buttons

Front Clamp

Lock

Docking Lever

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Description of Parts Continued

Bottom View

Dock Status LED

Front USB 2.0 Port

Lock

Cable Tie Rail

Docking Lever

DC in

Port Replicator

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Description of Parts Continued

CF3I Port Layout

* Not available when using a CF30 computer in a CF3I Dock.

USB USB LAN *LAN Mic VGA Com1 Com2 Antenna switch (left internal right external)
USB USB Headphone
15 VDC Input (side)

Front Panel
USB
Status LED

Right Side
WWAN (cellular)
WLAN (GPS)
15 VDC Input

Status LED info:

Green – Computer docked, all ports ready
Orange – USB and LAN ports are not functioning, or external power not connected
Red – Computer is not supported or no connection made
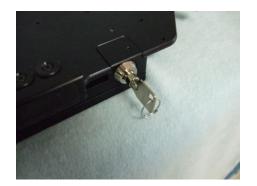Blinking Red – Firmware error
No Light – Computer not docked or turned off, standby or sleep mode

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Docking the Computer

Step 1:
Ensure rear connector cover is open on the back of the CF-31 computer

Step 2:
Insert key and turn 90 degrees counter-clockwise

Step 3:
The docking lever will spring forward, and the docking connector will retract. Do not proceed with docking the computer until this step is complete
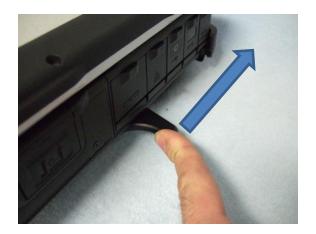
Docking the Computer Continued

Step 4:
Insert laptop front first into the front clamp of the docking station

Step 5:
Ensure rear of the computer is completely seated by pressing down on the computer

Docking the Computer Continued

Step 6:
Push the docking lever rearward towards the back of the computer

Step 7:
While holding the docking lever back, turn the key 90 degrees clockwise and remove the key

The docking station and computer are now fully secured and functional

Removing the Computer From the Docking Station

Step 1:
Insert key and rotate 90 degrees counter clockwise. The docking lever will spring forward, and the docking connector will disengage from the computer.

Step 2:
Remove the computer by lifting up from the rear of the laptop, and sliding it out of the dock

Removing the Computer From the Docking Station Continued

It is now possible to remove the key from the dock while leaving the dock in it's "open" configuration. This protects the docking connector from possible damage, and allows for easy re-docking

Step 3:
Rotate the key 90 degrees clockwise until it stops, and remove the key

Step 4:
The dock is now in it's "open" configuration. To re-dock, simply insert laptop, and slide docking lever forward until it clicks. The laptop is now secure without the need for re-inserting the key

Wiring/Cable Management

Connect all cables securely to dock connections, and use tie straps to secure cables to the cable tie rail. Ensure to leave enough slack in wires exiting dock so that any positioning adjustments will not strain the cables or connections. Use tie straps to secure opposite cable ends to another location in the vehicle.

Wiring Tip:
PMT does not recommend relying on a cigarette socket adaptor for powering vehicle docks. We recommend hard wiring using a good clean ground direct from the vehicle battery (-) post, and (+) supply from a fused 12v location also directly from the vehicle battery. All peripherals connecting to the docking station should get power and ground from the same location as the dock.

Visit www.precisionmounts.com/installation-instructions.html for a copy of our general wiring and troubleshooting guide

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Mounting

Once all cables and connections are made to the docking station, connect the interface plate to the dock using the supplied #10-24 x ½" hardware. Depending on the mounting infrastructure you are attaching to, you may need to attach the interface plate to the mount first, then place the dock on top of the plate and secure the dock to the plate.

The universal interface plate pictured above has many of the common mounting hole patterns for mounts on the market today. Contacts us to learn more about the many other mounting options available.

For more info visit: www.precisionmounts.com
Or call us at 1-888-869-7652
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