

oDynamo

Device Inspection

oDynamo is a PCI PTS 5.x Certified Secure Card Reader (SCR) with SRED. oDynamo's enclosure and its associated electronics have been designed to form a Tamper Resistant Security Module (TRSM). The covers are securely attached and incorporate sensing circuits to detect if any attempt is made to open the device. Internal spaces within the device have been minimized to reduce the possibility of unauthorized modifications. Any attempt to penetrate or modify oDynamo electronically will cause the device to permanently erase its stored encryption keys, after which oDynamo will cease to function. Following are the areas the user can check for tampering.

Weight and Dimension

Weight: 1.76 lbs. (800g)

Dimensions: 3.94 in. W x 2.80 in. H x 5.52 in. L
(100.1 mm x 71.1mm x 140.2mm)

Front

Exterior Surface/Metal Bezel

Look for any hidden and additional wires in crevasses, seams and exterior surface of the device. No additional wires should be on the device. Observe front face of the metal bezel and inspect for any modification or hidden wires coming out of the card slot or drain holes. The device has a metal bezel that is one die-cast piece.

Mounting Gasket

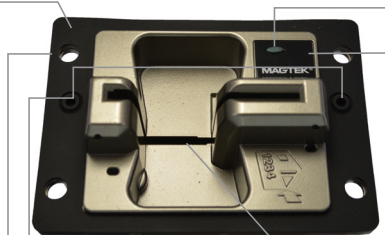
The device's installation face includes a gasket. Do not remove the gasket.

Dismount Switches

Exercise the two (2) dismount switches by pressing them. The switch should return to the original position upon release of finger pressure. They disable the device in the event of unauthorized removal.

Visual Comparison

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device. Check the overall form factor for signs of attempted entry.



General Status LED

Apply power to the device, LED should be solid GREEN. Apply power to the device for 60 seconds. If the LED shows any red, a tamper event has occurred.

Decal

The device includes a label well around the General Status LED. MagTek is default label.

Card Insertion Slot

The card insertion slot is a smooth, unobstructed path. Insert an embossed card into the device to check for any signs of obstructions inside the card insertion slot. Other than the magnetic head that reads magnetic stripes and contact points that read chips there are no electronics, objects or wires on the path.

Top Back

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device.

Crevasses

Look for any hidden and additional wires in crevasses, seams and exterior surface of the device.

Screws

Check tampering of 6 screws. DO NOT REMOVE THE SCREWS.

Ventilation Holes

PRIOR TO INSTALLATION Inspect for objects or wires in the vent holes.

Product Label

The product label is located on the back of the device. Check PN, SN and HW number. Serial Number matches serial number on boot-up.



Bottom Back

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device.

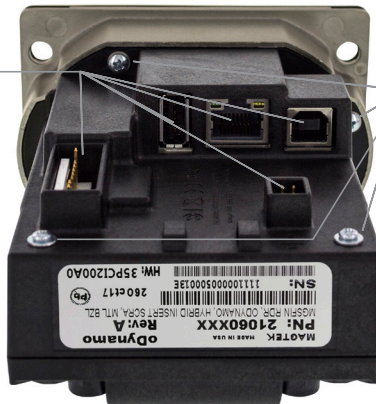
Connection Ports

Inspect individual connection ports

- RS-232 and Power Port
- USB Host Port
- USB Device Port
- Ethernet Port
- Alternative Earth Grounding Port

Screws

Check tampering of 4 screws. DO NOT REMOVE THE SCREWS.



Left Side Angle

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device.

5 Drain Holes

Inspect the 4x drain holes below the bezel nose (plus the 1x drain hole to the left side of the bezel nose). There are no electronics, objects or wires coming from the drain holes.

Seams Parting Line

Inspect where the seams come together to make certain there are no extraneous wires.

Crevasses

Inspect crevasses to make certain there are no extraneous wires.



Right Side Angle

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device.

Seams Parting Line

Inspect where the seams come together to make certain there are no extraneous wires.

Crevasses

Inspect crevasses to make certain there are no extraneous wires.



At Point of Installation - Mounted

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device.

Periodically inspect the following items:

- Metal Bezel
- Card Slot

When servicing behind cabinet/door (terminal) inspect device for external wires, or foreign objects not included in the solution design. *For proper installation, refer to your solution design documentation.*

Front Face Metal Bezel

Observe front face of the metal bezel and inspect for any modification or hidden wires.

Mounting Holes

Look for any hidden and additional wires. No additional wires should be coming out of the holes.

Checklist Summary

Check views of front, bottom, top and back of the device and compare to photos.

Device Audit

As part of your inspection it is helpful to do the following for your device inspection audit.

- Be certain to have a list of the devices and include the details listed on the asset tag.
- It may be helpful to take photos of the front, back, and side of each device.

Be certain to check device Part numbers, serial numbers and IDs and check physical connections. Report any suspected signs of tampering immediately.

PCI compliance web page.

How to find oDynamo on PCI web site https://www.pcisecuritystandards.org/assessors_and_solutions/pin_transaction_devices. Search for MagTek and find the product name, oDynamo, on the web page. Compare the Hardware # and Firmware #.

Periodically inspect the following items while installed:

Exterior surface/metal bezel

- Card slot
- Five (5) drain holes
- Form factor
- Crevasses
- Screws

Inspect the following additional items during service:

- Crevasses
- Screws
- Ventilation holes
- Connection ports
- Seams parting lines