DynaFlex - standard, Pro, BCR

Hardware Inspection

DynaFlex, DynaFlex Pro (touchscreen model), DynaFlex BCR (barcode reader), and DynaFlex Pro BCR are secure card reader authenticators. DynaFlex Products delivers magstripe, EMV contact and EMV/NFC contactless reading capability. Models are available to suit most applications, offer various mounting and stability features, and deliver a smart solution in a small form factor.

Front

Form Factor

Check the overall form factor for signs of attempted entry. Directional icons may be printed on your device. BCR models (shown here) will have a camera. DynaFlex products are made from molded rubberized black plastic with matching black lens on the face. (Custom colors and silk-screened logos are available.)

DynaFlex Pro Models ONLY

LCD Display / Touchscreen / Contactless Landing Zone

There is an all-in-one screen: touchscreen, contactless landing zone, and LCD display. The display is back-lit. Look for any signs of tampering or a false screen overlay. The screen is inset and measures 2.27in. (57.60mm) X 1.70 in. (43.20mm). The contactless landing zone is hidden behind the screen. User's fingertips capture signatures instead of a stylus on the touchscreen.

DynaFlex Models ONLY

Contactless Landing Zone

Contactless landing zone is a smooth front cover with no moving parts and only the contactless symbol in the landing zone. Contactless indicator mark orientation may vary.

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Form Factor

Form Factor

	DynaFlex	DynaFlex Pro	DynaFlex BCR	DynaFlex Pro BCR
Dimensions	4.0 x 3.5 x 1.9 in. (102 x 89.0x 48 mm)	4.1 x 3.5 x 1.9 in. (103.3x90.0x48.3mm)	to come	to come
Weight	USB: 7.1oz/202g Bluetooth: 8.7oz./247g	USB: 7.4oz/210g WLAN: 8.9 oz/252g	to come	to come

Look for any added components, size, or weight. Check for signs of cutting, tapping, and bending.

Rubberized Shell

The form factor is a smooth rubberized shell. The seam between the top and underside shell is inset and not shiny plastic. There are no additional electronics or wires. Any breaks in the plastic, scuffs, or damage could be signs of physical tampering and should be reported.

Right Angled Shot

Chip Card Insertion Slot

The card slot for the Contact Chip Reader is a smooth, unobstructed path. Other than the contact points that read the chip there are no electronics, mechanics, or wires in the path.

Swipe Path

The swipe path is smooth. The only moving part is the spring-mounted read head that depresses into the device as the card's magnetic stripe makes contact with the read head. There are no mechanics, electronics, or wires in the swipe path.

Left Angled Shot and Cable

Barcode Reader

In select barcode reader models, a barcode reader is along the top of the reader. (shown here)

LEDs

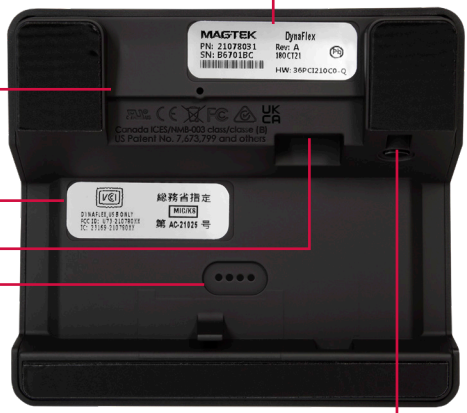
There are four LED lights between the chip card insertion slot and the magnetic stripe swipe path. These provide signals to the user. See installation and operation manual for complete LED signaling.

USB-C Cable

The device uses a USB-C cable with ferrite sleeve at each end to power and charge. Ensure there are no extraneous cables.

Underside and Back

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device. The underside and backside of DynaFlex and DynaFlex Pro are the same. Models shown here are black plastic base shells. The underside of the device is a smooth form factor for easier handling with rubberized feet.



Product Label

The product label is located on the underside of the device. The Serial Number, Rev, Date, Part number (PN), MAC ID (MAC) and Hardware PN (HW) are listed as appropriate. Ensure the serial number listed on the back of the device matches the serial number on the display of the device during boot-up; and compare the hardware ID to PCI website and confirm it is valid.

Certificate Logos

Imprints in the plastic form factor of certification logos and patent information are listed.

FCC/IC Label

The FCC/IC label lists the product model name, FCC ID and IC numbers.

USB-C

USB-C connection is on the underside of the device. Ensure the cable is connected directly to the correct host USB port.

Charging

There are four (4) charging contacts on the underside of the device.

Pushbutton

Tactile switch/button.

3 Rubberized Feet

There are 3 rubberized feet on the underside of the device, these lay flat and are form fitted with no extraneous cables or edges.

BACK

The back of the device is smooth, with no extraneous wires or elements.

PCI DEVICE VALIDATION

To check for PCI Validation check the Hardware and Firmware ID. Hardware ID is printed on the label.The Firmware ID is accessible via the device and displayed on the screen. Go to the PCI compliance web page and search for MagTek, and find the product name, DynaFlex. Compare the Hardware ID and Firmware ID:
https://www.pcisecuritystandards.org/assessors_and_solutions/pin_transaction_devices

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As part of your inspection, include the following for your device inspection audit:

- Be certain to have a list of the devices and include the details listed on the product label.
- 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. Use the chart below as a checklist to inspect the device for signs of tampering.

Are there signs of tampering:	Signs of tampering	
Site Inspection	**YES**	**NO**
Form Factor - check overall form factor		
Front		
Signature Capture (optional - no stylus included)		
Magnetic Stripe Swipe Path		
LCD Display and Contactless Landing Zone		
EMV Chip Card		
Barcode reader		
Sides		
Magnetic Stripe Swipe Path		
Rubberized Shell		
Form Factor		
Cables and charging cradle		
USB-C cable		
Underside and Back		
Certificate Logos (imprinted)		
Form Factor		
Cable Connection		
Pushbutton		
Charging contacts		
Labels		
Tripped device		
If there is forced entry, the security switches built into the electronics will be tripped. If they are tripped the sensitive data such as encryption keys and certificates are cleared as part of security measures mandated by PCI and the device will not be available to make transactions.		

NOTICE: If the security switches have been tripped, DynaFlex / Pro cannot be repaired in the field and must go back to the factory for repair. Follow RMA procedures. User must report all signs of tampering as per standard protocol.

Features: *Some features and functions may be documented, but not available with the current release of the product. Please contact your MagTek representative for questions about specific features and functions and when they are scheduled to become available.*

MAGTEK® SECURITY FROM THE INSIDE

Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, checks, PINs and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card reader/authenticators, token generators, EMV contact, contactless and NFC reading devices, encrypting check scanners, PIN pads and distributed credential personalization systems for secure magstripe and EMV enabled cards. These products are used worldwide by financial institutions, retailers, and processors to provide secure and efficient payment and identification transactions. Today, MagTek continues to innovate. Its MagneSafe® Security Architecture leverages strong encryption, secure tokenization, dynamic card authentication, and device/host validation enabling users to assess the trustworthiness of credentials and terminals used for on-line identification, payment processing, and high-value electronic transactions.