





# DynaFlex Pro and DynaFlex Key Features

Features subject to change without notice.

Screen is simulation and does not represent actual screen resolution.

# Payment Methods Secure card reader authenticator for:

- Magstripe cards
- EMV chip cards
- EMV contactless cards
- NFC capable devices

#### Security

- MagneSafe® Security Architecture
- Triple DEA encryption/DUKPT key management
- AES 128 encryption/DUKPT key management
- MagnePrint® card authentication
- Device/host authentication
- PCI-Secure Reading and Exchange of Data (SRED)
- Ready for PCI-P2PE Solutions

# **DynaFlex Family**Secure Card Reader Authenticator

DynaFlex and DynaFlex Pro are ready to launch your payment environment to the next level. All DynaFlex products offer an integrated secure card reader authenticator for magnetic stripe cards, EMV chip cards (contact and contactless), and NFC enabled mobile wallets including Samsung Pay<sup>SM</sup>, Google Pay<sup>TM</sup>, and Apple Pay<sup>®</sup>. DynaFlex Pro devices additionally offer a color touchscreen display for added convenience. DynaFlex devices deliver a smart solution for companies that need the most flexibility in the smallest form factor at a great price.

#### **Stable and Secure Performance**

DynaFlex devices offer options with micro suction fitted feet, mounting holes, and configurable brackets, assuring the cardholder a stable swipe, insert, or tap experience. The three reading locations are all visible to the cardholder on the face of the device. This intuitive positioning of the slots also ensures that "bugs," skimmers, or shimmers cannot be placed inside the device.

# **Compatible with a Variety of Connections**

DynaFlex and DynaFlex Pro are compatible with Android and Windows operating systems. DynaFlex devices offer flexibility and allow USB or USB and Bluetooth LE connections. DynaFlex Pro touchscreen devices offer USB, USB and Bluetooth LE, USB and 802.11 wireless, or USB and Ethernet connections.



## The Power of Flexibility

DynaFlex devices are ready for countertop, mounted, or handheld solutions. Ready for traditional brick-and-mortar points of sale, mounted to a touchscreen, or brought to the table with wireless models. DynaFlex Pro, with touchscreen, can present your logo, custom messaging, and depicts on-screen instructions for insert, tap, or swipe operations. The device is made for easy integration into holsters or cases for a custom solution. DynaFlex products are made from molded rubberized black plastic with matching black lens on the face. Custom colors and silk-screened logos are available with a minimum order size.

Mounted Countertop Applications



Flexible Countertop Applications







## MagneSafe Security Architecture

DynaFlex devices adhere to MagTek's MagneSafe Security Architecture. This is based on dynamic encryption, authentication, and tokenization, which protects cardholder data from the moment of swipe, insert, or tap. DynaFlex devices are PCI-SRED compliant, making them ideal for P2PE solutions.

### **Magensa Web Services**

Couple DynaFlex products with Magensa Services to make your certification cycle easier and remove unencrypted data from your environment. A service representative will work with you to determine if Magensa Decrypt, Magensa Decrypt and Forward, or the Magensa Payment Protection Gateway is best for you. As always, MagTek's developer tools including our royalty free software developer kits with APIs are readily available 365/24/7 on our web site. For faster development, you can use our MagneFlex browser and middleware. The data is unpacked, parsed, and sent to its destination faster and easier.

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Magstripe secure card reader authenticator Triple Track (TKL/2/3); Bidirectional read; SO 7811  EMV chip contact EMV contactless Iso/IEC 18092; ISO/IEC 14443 (Type A/B) Including: Apple Pay, D-PAS, Expresspay, Google Pay, MCL, PayWave, Samusing Pay  NFC contactless / mobile wallets ISO/IEC 18092; ISO/IEC 14443 (Type A/B)  ISO/IEC 18092; ISO/IEC 14443 (Type A/B)  MSR / SCRA swipes  EMV insertions  Compatible Operating Systems  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  VES  Electrical  Charging  Charging  Charging  Charging  Charging  Charging  Charging  Conditional Charging Cradie  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Powerthrough USB. Bettery models required for hardrheld use.  Security and Certifications  Current and Power  Powerthrough USB. Bettery models required for hardrheld use.  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  PS  Encryption  AD 19 PS POINTS ISCR  MagneSafe Security Architecture  PS  Encryption  AD 10 PS POINTS ISCR  Microsuctories, responsive  Mechanical  Dimensions  L. Wx H or L. x W x D  Microsuctories, responsive  Microsuct	Opcomoditions	
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816  EMV contactless EMVCo L1 and L2 ISO/IEC 7816  EMV contactless EMVCo L1 and L2 ISO/IEC 18443 (Type A/B) Indicating Apple Pay, D-PAS, Expresspey, Google Pay, MCL, PayMews, Samsung Pay  NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A/B) ISO/IEC 18092, ISO/IEC 14443 (Type A/B), FeliCa, RFID  ISO/IEC 18092, ISO/IEC 14443 (Type A/B	Payment methods	
EMVCo L1 and L2 (EMV Level 1 SEMVCo L1 and L2 (EMV Level 1 SEMV L1 and L2 (EMV L1 an	<b>.</b>	
ENWO L1 and L2. EW/ Level 1. Sto/IEC 18092. ISO/IEC 14443 (Type A/B) Including: Apple Pay, D-MS, Expresspay, Google Pay, MCL, PayWave, Samsung Pay NFC contactless / mobile wallets ISO/IEC 18092. ISO/IEC 14443 (Type A/B), Felica, RFID  ISO/IEC 18092. ISO/IEC 14443 (Type A/B) MSR / SCRA swipes  EMV insertions  Compatible Operating Systems  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  USB Rots: Windows 10, Android 4.4.2 and above 4 LED, auditory beep  General  Connections/Interfaces  USB LOUGH (ISB HID 2.0)  Bulletooth LE (5.0) Ethemet  Average  Charging  Charging  Corrent and Power  Power through USB. Battery models required for handheld use.  Security and Certifications  Current and Power  Assumble Security Architecture  PCI, SRED  POLYTS POIN-51 SOR  Magnes Se Security Architecture  PCI, SRED  Mechanical  Dimensions  Liwx Hor Lx Wx D  Mechanical  Dimensions  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14*Fto 140*F (10*Cto 60*C)  Operating temp  14*Fto 140*F (10*Cto 60*C)  Operating temp  32*Fto 113*F(0*Cto 45*C)		YES
ISO/IEC 18092, ISO/IEC 14443 (Type A/B), Felica, RFID  ISO/IEC 18092, ISO/IEC 14443 (Type A/B)  MSR / SCRA swipes  EMV insertions  Compatible Operating Systems  COMPATIBLE OPERATING SYSTEMS  EMV insertions  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  USB C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethernet  Wagensa Web services  Flectrical  Charging  Current and Power  Beatery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Tamper  Responsive  Mechanical  Dimensions Lx Wx H or Lx Wx D  Micro-suction 42°C; to 45°C)  Environmental  Storage temp  14°F to 140°F (10°C to 60°C)  32°F to 113°F (0°C to 45°C)  Operating temp  14°F to 140°F (10°C to 60°C)	EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B) Including: Apple Pay, D-PAS, Expresspay, Google Pay, MCL,	YES
MSR / SCRA swipes  EMV insertions  Compatible Operating Systems  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  WES C(USB HID 2.0)  Bluetooth LE (5.0)  Ethernet  WES Add (Rging Cradle)  Telectrical  Charging  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LxWx H or LxWx D  Microsuction feet, or optional mounting bracket  Environmental  Storage temp  14*F to 140*F (-10*C to 60*C)  Operating temp  12*F to 113*F (0*C to 45*c)  WSB HID 2.0)  K81  USB Hots twindows 1.0, Android 4.4.2 and above  R81  USB Hots twindows 1.0, Android 4.4.2 and above  R82.27in. (57.60mm) x 1.70 in. (43.20mm) and above  WSB - Curring (GRB) bots  Social Windows 1.0, Android A.2.2 and above  R81  USB C(USB HID 2.0)  802.11 Wireless (b/g/n)  Bluetooth LE (5.0)  Bluetooth LE (5.0)  Ethernet  VES  Battery models required for handheld use.  POLYTIS POLYS 1 SCR  PCIPTS POLYS 1 SCR  MagneSafe Security Architecture  YES  TDEA/DUKPT  AES 128/DUKPT  AES		YES
EMV insertions  Compatible Operating Systems  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  USB-C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethernet  YES  Flectrical  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions LxWx H or LxWx D  Microsuction feet, or optional mounting bracket  Environmental  Storage temp  14*F to 140*F (-10*C to 60*C) Operating temp  12.27in. (57.60mm) X 1.70 in. 4.81  USB and (9,110 Wireless (b/g/n) Bluetooth LE (5.0) BLUSB HID 2.0) (4.3.20mm) 2.20,240 (RGB) Dots  4.1 ED, auditory beep  USB-C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Bluetooth LE	ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	
Compatible Operating Systems  CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  USB-C(USB HID 2.0)  802.11 Wireless (b/g/n)  Bluetooth LE (5.0) Ethernet  Wagensa Web services  Flectrical  Charging  Charging  USB and Optional Charging Cradle  Li-Po  Better models required for handheld use.  Security and Certifications  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  Power through USB. Battery models required for handheld use.  POWER TOURS (SE)  MagneSafe Security Architecture  Encryption  Total Charging  A.O in. (102mm)x 3.5 in. (89mm)x  Ly X H or Lx W x D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14° F to 140° F (10° C to 60° C) Operating temp  32° F to 113° F (0° C to 45° C)	MSR / SCRA swipes	1 Million
CPU  K81  Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  USB-C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethernet  Wagensa Web services  Flectrical  Charging  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Tamper  Responsive  Mechanical  Dimensions Lx Wx H or Lx Wx D  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (10°C to 60°C) Operating temp  22.27in. (57.60mm) X 1.70 in. (43.20mm) 320nC 1.00mm) X 1.70 in. (43.20mm) X 1.70 in. (45.20mm) X 1.70 in. (45.20mm	EMV insertions	500K
Touchscreen display (DynaFlex Pro models only)  Status indicators  General  Connections/Interfaces  General  Connections/Interfaces  USB-C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethemet  Magensa Web services  Flectrical  Charging  Charging  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  TDEA/DUKPT AES 128/DUKPT Tamper  Mechanical  Dimensions LXWX HorLxWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (10°C to 45°C)  92°F to 113°F (0°C to 45°C)  92°F to 113°F (0°C to 45°C)	Compatible Operating Systems	
(DynaFlex Pro models only)  Status indicators  4 LED, auditory beep  General  Connections/Interfaces  USB-C (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethemet  Magensa Web services  Flectrical  Charging  USB and Optional Charging Cradle  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  Operating temp  14°Fto 140°F (10°C to 60°C) 120 802.11 wireless (b/g/n) Bluetooth LE (JSD, Wigne) Blueto	CPU	K81
General  Connections/Interfaces  General  Connections/Interfaces  Magensa Web services  Flectrical  Charging  Charging  Charging  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  Poipts Pol v5.1 SCR  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LxWx HorLxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  Operating temp  14°F to 140°F (-10°C to 60°C)  32°F to 113°F (0°C to 45°C)		(43.20mm)
Connections/Interfaces  USBC (USB HID 2.0) 802.11 Wireless (b/g/n) Bluetooth LE (5.0) Ethernet  WES  Flectrical  Charging  Charging  Charging  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  PCI PTS POIV51 SCR  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions LXWX H or LXWX D  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Status indicators	4 LED, auditory beep
Magensa Web services  Flectrical  Charging  Charging  Chargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LxWx HorLxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  12°S Augusta Message  YES  AUSB and Optional Charging Cradle  Li-Po  USB and Optional Charging Cradle  Li-Po  Power through USB. Battery models required for handheld use.  Power throug	General	
Electrical  Charging  Charging  Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Power through USB. Battery models required for handheld use.  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  POIPTS POING 1 SCR  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Connections/Interfaces	802.11 Wireless (b/g/n) Bluetooth LE (5.0)
Charging  Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Power through USB. Battery models required for handheld use.  Security and Certifications  Compliance (FCC, CE, UL)  YES  PCI, SRED  PCIPTS POIV5.1 SCR  MagneSafe Security Architecture  Encryption  Total/DUKPT AES 128/DUKPT AES 128/DUKPT  Tamper  Responsive  Mechanical  Dimensions LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Magensa Web services	YES
Rechargeable Battery for Bluetooth LE and 802.11 wireless operations  Current and Power  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  PCIPTS POIV5.1 SCR  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  Optional Charging Cradle  Li-Po  Li-Po  Li-Po  Power through USB. Battery models required for handheld use.  POWER PROVED STATE AND STATE	Electrical	
802.11 wireless operations  Current and Power  Battery models required for handheld use.  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  PCIPIS POIV5.1 SCR  MagneSafe Security Architecture  Encryption  Mechanical  Dimensions  LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  Power through USB.  Battery models required for handheld use.  POWER THOUGH USB.  Battery models required for handheld use.  POWER THOUGH USB.  Battery models required for handheld use.  YES  AD IN (102 DIMPT AES 128/DUKPT AES 128/DUKPT AES 128/DUKPT AES 128/DUKPT  AUDIT (102 MICRO SURVE)  AUDIT (102 MICRO SURVE)  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)	Charging	
Battery models required for handheld use.  Security and Certifications  Compliance (FCC, CE, UL)  PCI, SRED  PCIPTS POINS 1 SCR  MagneSafe Security Architecture  Encryption  TDEA/DUKPT AES 128/DUKPT AES 128/DUKPT  Tamper  Responsive  Mechanical  Dimensions LXWX H or LXWX D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)		Li-Po
Compliance (FCC, CE, UL)  PCI, SRED  PCI, SRED  MagneSafe Security Architecture  Encryption  TDEA/DUKPT AES 128/DUKPT AES 128/DUKPT  Responsive  Mechanical  Dimensions LxWx H or LxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp	Current and Power	Battery models required for
PCI, SRED  PCI PTS POI v5.1 SCR  MagneSafe Security Architecture  Encryption  Teach Dukpt AES 128/Dukpt  Tamper  Responsive  Mechanical  Dimensions LxWx Hor LxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Security and Certifications	
MagneSafe Security Architecture  Encryption  TDEA/DUKPT AES 128/DUKPT AES 128/DUKPT  Tamper  Responsive  Mechanical  Dimensions LxWx H or LxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Compliance (FCC, CE, UL)	YES
Encryption  TDEA/DUKPT AES 128/DUKPT  Tamper  Responsive  Mechanical  Dimensions LxWx H or LxWx D  Mount/Stabilizer  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  TDEA/DUKPT AES 128/DUKPT  4.0 in. (102mm) x 3.5 in. (89mm) x 1.9 in. (48mm)  Micro-suction feet, or optional mounting bracket	PCI, SRED	PCI PTS POI v5.1 SCR
AES 128/DUKPT  Tamper  Mechanical  Dimensions LxWx H or LxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	MagneSafe Security Architecture	YES
Mechanical  Dimensions LxWx HorLxWx D  Mount/Stabilizer  Micro-suction feet, or optional mounting bracket  Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)	Encryption	
Dimensions LxWx Hor LxWx D  Mount/Stabilizer  Environmental  Storage temp  4.0 in. (102mm)x 3.5 in. (89mm)x 1.9 in. (48mm)  Micro-suction feet, or optional mounting bracket  Environmental  32°F to 140°F (-10°C to 60°C)  32°F to 113°F (0°C to 45°C)	Tamper	Responsive
Mount/Stabilizer    Micro-suction feet, or optional mounting bracket	Mechanical	
Environmental  Storage temp  14°F to 140°F (-10°C to 60°C)  Operating temp  32°F to 113°F (0°C to 45°C)		
Storage temp         14°F to 140°F (·10°C to 60°C)           Operating temp         32°F to 113°F (0°C to 45°C)	Mount/Stabilizer	
Operating temp 32°F to 113°F (0°C to 45°C)	Environmental	
oporating tomp	Storage temp	14°F to 140°F (-10°C to 60°C)
Operating & Storage humidity non-condensing 10% to 90%	Operating temp	32°F to 113°F (0°C to 45°C)
	Operating & Storage humidity non-condensing	10% to 90%



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 excelence, 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 workdwide 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 onlinie identification, payment processing, and high-value electronic transactions.