MagTek Insertion-215

MT-215 Insertion Card Reader*

The MT-215 insertion card reader minimizes incorrect card insertion with a dual head design option, and the open frame construction eliminates blocking of the card slot from coins and other debris. The three bezel options give developers the options they need to integrate into a variety of formats.

MT-215 TTL SINGLE HEAD

The MT-215, TTL, Single Head Insertion Reader is a manually operated, or push-in, reader, which reads three tracks. There are three configurations of the Reader: without bezel, with extended bezel, and with flat-faced bezel. The single read head is mounted on top of the Reader (the same side as the connector). The magnetic card can be read on insertion or removal; MagTek recommends reverse read (the start sentinel is read last) on withdrawal for greater accuracy.

Part Number	Bezel
21065120	None
21065121	Flat-faced
21065122	Extended

MT-215 TTL DUAL HEAD

The Model MT-215 TTL is a manually operated two-track insertion, or push-in, reader, which may have one or two read heads. There are three configurations of the head(s) and two bezel configurations. The Reader can read the magnetic stripe in both the forward and reverse directions.
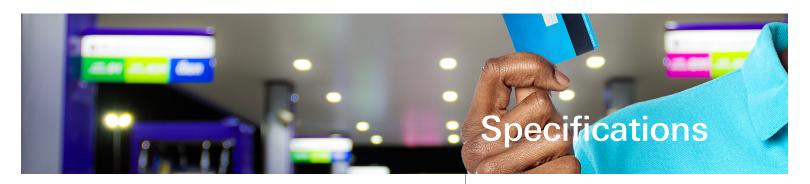

MT-215
Insertion magstripe card reader, available in single or dual head, with RS-232, TTL or USB connectivity

Part Number	Head Mounted Under or on Top of PCB	Bezel	Read Forward or Reverse**
21065101	Under PCB	None	Forward Read
21065102	On Top of PCB	None	Reverse Read
21065103	Under PCB	Flat Faced	Forward Read
21065104	On Top of PCB	Flat Faced	Reverse Read
21065105	Both	None	Both
21065106	Both	Extended	Both
21065109	Both	Flat Faced	Both
21065111	Under PCB	Extended	Forward Read
21065112	On Top of PCB	Extended	Reverse Read
21065113	Both	None	Both

Call a representative to learn more: 562-546-6400.

RS232

The RS-232 models require no external power, offer buffered or unbuffered modes of operation, and have a programmable communication configuration. The Port Powered Insertion Reader can be single or dual head configuration. The dual head configuration can read the card on insertion and removal with the magnetic stripe facing up or down. The single head configuration can read the card on insertion and removal if the stripe is oriented to match the position of the head. The Reader also has circuitry that automatically ensures that the ISO magnetic stripe is read in the case where a dual-stripe JIS (Japanese) credit card is inserted on the dual head unit.

Part Number	Single or Dual Head	Head Position***	Bezel	Track	Head Connector
21065085	Single	Head down/left	No Bezel	1-2	J3
21065086	Single	Head up/right	No Bezel	1-2	J2
21065087	Single	Head down/left	Extended Bezel	1-2	J3
21065088	Single	Head up/right	Extended Bezel	1-2	J2
21065089	Single	Head down/left	Flat Faced Bezel	1-2	J3
21065090	Single	Head up/right	Flat Faced Bezel	1-2	J2
21065091	Dual	Both	No Bezel	1-2	J2, J3
21065092	Dual	Both	Extended Bezel	1-2	J2, J3
21065093	Dual	Both	Flat Faced Bezel	1-2	J2, J3
21065097	Single	Head down/left	Flat Faced Bezel	2-3	J2
21065142	Dual	Both	Flat Faced Bezel	1,2,3	J2, J3

USB

The USB (Universal Serial Bus) HID (Human Interface Device) Insertion Reader is a compact magnetic stripe card reader, which conforms to ISO standards. The Reader is compatible with any device with a host USB interface and can have single or dual head configurations. The dual head configuration can read a card with the magnetic stripe orientated in two directions. The single head configuration can read a card with the magnetic stripe orientated in one direction. Cards are read by inserting into and/or removing out of the card slot so the card is oriented such that the card's magnetic stripe contacts a read head.

Part Number	Head Configuration	USB Mode	Bezel	Connector	Cable P/N
21065140	Dual head, Tk 1,2,3	HID/KB	Flat	USB Mini B, 5-pin	16051430
21065141	Dual head, Tk 1,2	HID	Extended	53048-0510 Molex	21041494 or 21041495
21065145	Head right, Tk 1,2,3	HID/KB	None	USB Mini B, 5-pin	16051430
21065146	Dual head, Tk 1,2	HID	None	53048-0510 Molex	21041494 or 21041495
21065150	Dual head, Tk 1,2,3	KB	Flat	USB Mini B, 5-pin	16051430
21065154	Head left, Tk 1,2,3	HID	Flat	USB Mini B, 5-pin	16051430

OPERATING	
Recording method	Two-frequency coherent phase (F2F)
Card Speed	3 to 50 IPS
MTBF	Electronics: 120,000 hours Head: 500,000 passes
Head Life	1,000,000 passes (500,000 Insertion Cycles) minimum
Operating Voltage	Port powered (USB, RS232)
Head Options	Single or Dual
Connection Options	TTL, RS-2332, USB
ENVIRONMENTAL	
Temperature	
Operating	-22ºF to 158ºF (-30ºC to 70ºC)
Storage	-40ºF to 176ºF (-40ºC to 80ºC)
Humidity	
Operating	10% to 90% noncondensing
Storage	10% to 90% noncondensing
Altitude	
Operating	0 - 10,000 ft. (0 - 3,048m)
Storage	0 - 50,000 ft. (0 - 15,240m)
DIMENSIONS	
Bezel	L: --- W: 4.00 in (102.6mm) H: 3.00 in (76.2mm)
Depth from back of Bezel	L: 4.40 in (111.76mm) W: -- H: --

Options are available for card insertion with the magstripe either up or down when the card is inserted in the horizontal plane.

* Cables not supplied.
** For forward read the start sentinel is read first on withdrawal; for reverse read the start sentinel is read last on withdrawal.
*** The magnetic stripe is inserted in the same orientation as the head position; for example, Head down/left means Magnetic Stripe down or left.

MAGTEK®
SECURITY FROM THE INSIDE