



13.56 MHz How to Order Guide – D00529, A.5

iCLASS Readers

Read-Only Reader Part Numbers and Options

Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configuration Setting Options <sup>1</sup>	iCLASS Elite Key <sup>2</sup>	MIFARE CSN <sup>3</sup> or FIPS201 <sup>4</sup> Wiegand Output Mode	Keypad Configuration Setting Options <sup>5</sup>	Optional US Government (FIPS201) Format	Optional Custom <sup>6</sup>
iCLASS R10 Contactless Smart Card Reader: Mullion Mount - (Wiegand) Read-Only, RoHS Compliant (C&D)	6100 6108	B	G = Charcoal Gray K = Black	N = Pigtail 18" (0.5 meter) T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 1 2 3 4 5 6	For Keypad readers only	(N/A)	-XXXX Y
							7 8 9 A C D F G H I J	For Keypad readers only	-G3.0	
iCLASS R15 Contactless Smart Card Reader: Mullion Mount - (Wiegand) Read-Only, RoHS Compliant (C&D)	6140 6148	A	G = Charcoal Gray K = Black	N = Pigtail 18" (0.5 meter) T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 1 2 3 4 5 6	For Keypad readers only	(N/A)	
							7 8 9 A C D F G H I J	For Keypad readers only	-G3.0	
iCLASS R30 Contactless Smart Card Reader: European & Asian Back Box Mount (Wiegand) Read-Only, RoHS Compliant (C&D)	6110 6118	B	G = Charcoal Gray K = Black	N = Pigtail 18" (0.5 meter) T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 1 2 3 4 5 6	For Keypad readers only	(N/A)	-XXXX Y
							7 8 9 A C D F G H I J	For Keypad readers only	-G3.0	
iCLASS R40 Contactless Smart Card Reader: US, European & Asian Back Box Mount - (Wiegand) Read-Only, RoHS Compliant (C&D)	6120 6128	B	G = Charcoal Gray K = Black	N = Pigtail 18" (0.5 meter) T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 1 2 3 4 5 6	For Keypad readers only	(N/A)	-XXXX Y
							7 8 9 A C D F G H I J	For Keypad readers only	-G3.0	
iCLASS RK40 Contactless Smart Card Reader: With Keypad - (Wiegand) US, European & Asian Back Box Mount (C&D) Read-Only, RoHS Compliant	6130 6138	B	G = Charcoal Gray K = Black	N = Pigtail 18" (0.5 meter) T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 1 2 3 4 5 6	00 09 10 11 14 19 22	(N/A)	-XXXX Y
							7 8 9 A C D F G H I J	-G3.0		
iCLASS R90 Contactless Smart Card Reader: Long Read Range - (Wiegand) Read-Only, RoHS Compliant	6150	A	K = Black	T = Terminal Strip	00 01 02 03 04 05 06 07	0 1	0 = CSN option not available	For Keypad readers only	(N/A)	-XXXX Y

\*Revision numbers and availability are subject to change without notice. Consult factory for availability.

<sup>1</sup> Configuration Setting Options are as follows (Factory or Field Configurable):

- 00 = Beep on, LED normally red, reader flashes green on tag read
- 01 = Beep off, LED normally red, reader flashes green on tag read
- 02 = Beep on, LED normally off, reader flashes green on tag read
- 03 = Beep off, LED normally off, reader flashes green on tag read
- 04 = Beep on, LED normally red, host must flash green
- 05 = Beep off, LED normally red, host must flash green
- 06 = Beep on, LED normally off, host must flash red and/or green
- 07 = Beep off, LED normally off, host must flash red and/or green

<sup>2</sup> iCLASS Elite Key Options (Factory or Field Configurable): See Application Note Number 28 for additional information on Key Management.

- 0 = Standard (Reads all iCLASS cards with unique keys diversified from HID master key)
- 1 = Custom, not valid with FIPS201 options (Reads only iCLASS cards with unique keys diversified from matching site specific master key; consult factory for availability)

<sup>3</sup> MIFARE Card Serial Number (CSN) Wiegand Output Modes are as follows (Factory or Field Configurable): Refer to the "iCLASS Reader Wiegand Output Configuration Guide" for more details.

- 0 = 32 bit
- 1 = 32 bit reverse (Same as 6055A and 6055BXX0011)
- 2 = 26 bit
- 3 = 34 bit
- 4 = 40 bit
- 5 = 37 bit
- 6 = 56 bit

<sup>4</sup> FIPS201 (USA Government Smart Card) Formats:

- 7 = 200 bit, 8 = 64 bit, MSB, 9 = 64 bit, LSB, A = 40 bit, MSB, C = 40 bit, LSB, D = 75 bit GSA, F = HMAC + 200 bit, G = HMAC + 40 bit MSB, H = HMAC + 64 bit MSB, I = 80 bit combined, J = 32 bit HMAC

For more information on the FIPS201 outputs, please refer to the output selection guide: [http://www.hidcorp.com/pdfs/products/fips201\\_technote.pdf](http://www.hidcorp.com/pdfs/products/fips201_technote.pdf)

(For additional outputs, expiration date, GUID, TWIC please contact HID for a Command Card).

<sup>5</sup> Keypad data is output via Wiegand cable. Reader processes keystrokes. Configuration Setting options:

- 00 = Buffer one key, no parity, 4 bit message
- 09 = Buffer one key, add compliment, 8 bit message (Dorado)
- 11 = Buffer one key and add parity
- 14 = Buffer one to five keys (Standard 26 bit output)
- 22 = Local PIN Verify. Requires User PIN code to be programmed into the iCLASS Credential at the factory or by using the iCLASS Card Programmer (please consult factory for availability).
- 10 = Buffer six keys and add parity
- 19 = Buffer four keys and add parity

<sup>6</sup> Contact Factory for pricing, availability, and minimum order quantity.

Readers that are RoHS compliant (RoHS = Restriction of the use of certain hazardous substances in electrical and electronic equipment) will be appropriately marked on reader and box.