

HID Products



Edge™ IP-Based Access Control Solutions



	EdgeReader™ Solo	EdgeReader™	EdgeReader™ Writer	EdgeReader™ Multi-Class	EdgeReader™ Solo Multi-Class	EdgePlus™ Solo	EdgePlus™
Part Number	ESR40	ER40	ERW400	ERP40	ESRP40	ES400	E400
Base Model Number	83120	82120	82121	82125	83125	83000	82000
Application	Stand Alone	OEM			Stand Alone		OEM
Web Browser User Interface	Yes	No			Yes		No
Web Browser Configuration Interface	Yes						
TCP/IP	Yes						
DHCP Support	Yes						
RS232 Enabled	Yes						
Input Power Requirements	PoE (802.3af) or 1A @ 12-16 VDC						
Output Power Support	Yes - 12 VDC (Up to 600 mA)					Yes - 12 VDC (Up to 700 mA)	
Maximum Cardholders	1000	44000			1000		44000
Maximum Access Events	5000						
Maximum Schedules	8	65000			8		65000
Maximum Readers	I (Integrated)					I Wiegand, HID Clock-and-Data	
Maximum Inputs	(1) Door Monitor, (1) Request to Exit, AC Fail, Battery Fail, Tamper						
Maximum Outputs	(1) Strike, (1) General Purpose						
Warranty	18 Months						

VertX™ Access Controllers



VertX™ Two Door Controller

VertX™ Gateway

VertX™ Reader Interface Unit

VertX™ Input Module

VertX™ Output Module

Part Number	V2000	V1000	V100	V200	V300
Base Model Number	72000	71000	70100	70200	70300
Application	OEM				
Web Browser User Interface	No				
Web Browser Configuration Interface	Yes		No		
TCP/IP	Yes		No		
DHCP Support	Yes		No		
RS232 Enabled	No	Yes (2 Ports)	No		
Input Power Requirements	350 mA @ 12 VDC	140 mA @ 12-18 VDC	600 mA @ 9-18 VDC	50 mA @ 9-18 VDC	60 mA @ 9-18 VDC
Lock Power Support	External Lock Power Supply Required				
Maximum Cardholders	250000		N/A		
Maximum Event History (buffer)	5000		N/A		
Maximum Schedules	65000		N/A		
Maximum Readers	2	64 (Via 32 V100)	2		
Maximum Inputs	6	512 (Via 32 V200)	6	16	2
Maximum Outputs	4	384 (Via 32 V300)	4	2	12
Warranty	18 Months				

VertX

iCLASS® 13.56 MHz Contactless – Readers



R10/RW100



R15/RW150



R30/RW300



R40/RW400



RK40/RWK400



R90



**RKL55/
RWKL550**



**RKL57/
RWKL575**

Base Model Number	R10: 6100B/6108B/6109B RW100: 6101B	R15: 6140A/6148A/6149A RW150: 6141B	R30: 6110B/6118B/6119B RW300: 6111B	R40: 6120B/6128B/6129B RW400: 6121B	RK40: 6130B/6138B/6139B RWK400: 6131B	6150A	RKL55: 6170B, 6178B RWKL550: 6171B	RKL57: 6180B, 6188B RWKL575: 6181B
Dimensions	4.04" x 1.9" x 0.9" (10.5 cm x 5.0 cm x 2.5 cm)	6.1" x 1.9" x 0.9" (15.5 cm x 5.0 cm x 2.5 cm)	3.3" x 3.3" x 0.85" (8.5 cm x 8.5 cm x 2.0 cm)	4.8" x .3.3" x 0.95" (12.0 cm x 8.5 cm x 2.0 cm)	4.8" x 3.3" x 1.1" (12.0 cm x 8.5 cm x 2.5 cm)	12.0" x 12.0" x 1.25" (30.5 cm x 30.5 cm x 3.0 cm)	6.14" x 4.17" x 1.48" (15.5 cm x 10.5 cm x 4.0 cm)	8.34" x 4.17" x 2.3" (21.0 cm x 10.5 cm x 4.0 cm)
Weight	3.2 oz (91 g)	3.2 oz (91 g)	4.0 oz (113 g)	8.8 oz (250 g)	10.0 oz (283 g)	60.0 oz (1.86 kg)	12.69 oz (360 g)	17.12 oz (485 g)
Read Range	Up to 3.25" (8.5 cm)	Up to 3.5" (9.0 cm)	Up to 4.0" (10.0 cm)	Up to 4.25" (11.0 cm)	Up to 4.0" (10.0 cm)	Up to 18.0" (45.5 cm)	Up to 4.0" (10.0 cm)	
Mounting	Mullion	Mullion, Fits footprint of HID MiniProx reader.	Standard EU/Asian back boxes	U.S./EU/Asian back box		Reader body fits onto base mounting plate. Cover fits over reader body, secured with four screws.	U.S./EU/Asian back box	
Power Supply	5-16 VDC, Linear supply recommended					12-24 VDC reverse voltage protected, Linear supply recommended	9-12 VDC	
Current Requirements	55/116 mA	55/112 mA	55/121 mA	R40: 55/121 mA RW400: 55/132 mA	RK40: 85/116 mA RWK400: 85/132 mA	420/1300 mA @ 12 VDC 210/700 mA @ 24 VDC	RKL55: 160/250 mA RWKL550*: 160/250 mA	RKL57: 270 mA/328 mA RWKL575*: 270 mA/328 mA
Termination	R10: Pigtail or Terminal Strip RW100: Terminal Strip	R15: Pigtail or Terminal Strip RW150: Terminal Strip	R30: Pigtail or Terminal Strip RW300: Terminal Strip	R40: Pigtail or Terminal Strip RW400: Terminal Strip	RK40: Pigtail or Terminal Strip RWK400: Terminal Strip	Terminal Strip		
Output Formats	R10: Wiegand, Clock-and-Data RW100: Wiegand, RS232, RS485, USB, UART	R15: Wiegand, Clock-and-Data RW150: Wiegand, RS232, RS485, USB, UART	R30: Wiegand, Clock-and-Data RW300: Wiegand, RS232, RS485, USB, UART	R40: Wiegand, Clock-and-Data RW400: Wiegand, RS232, RS485, USB, UART	RK40: Wiegand, Clock-and-Data RWK400: Wiegand, RS232, RS485, USB, UART	Wiegand, Clock-and-Data	RKL55: Wiegand, Clock-and-Data RWKL550: Wiegand, RS232, RS485, USB, UART	RKL57: Wiegand, Clock-and-Data RWKL575: Wiegand, RS232, RS485, USB, UART
FIPS 201 Certification	Yes					No		
Tamper	Optical					Switch	Optical	
Indoor/Outdoor	Both					Indoor		
Warranty	Lifetime					One Year		

* Add 40 mA current draw for USB expansion module. Add 10 mA current draw for RS232, RS485 or UART expansion modules

iCLASS

iCLASS® 13.56 MHz Contactless – Credentials

iCLASS

								
	iCLASS® Clamshell	iCLASS® Card	iCLASS® Card Embeddable	iCLASS® Prox	iCLASS® Prox Embeddable	iCLASS® Wiegand	iCLASS® Key	iCLASS® Tag
Base Part Number	2080	200X/210X	201X/211X	202X/212X	203X/213X	204X	205X	206X
Read Range: *								
R10/RW100	Up to 2.5" (6.5 cm)	Up to 3.25" (8.0 cm)				Up to 3.0" (7.5 cm)	1.5" (4.0 cm)	
R30/RW300	Up to 3.0" (7.5 cm)	Up to 4.0" (10.0 cm)				Up to 3.0" (7.5 cm)	2.0" (5.0 cm)	
R40/RW400	Up to 4.5" (10.0 cm)	Up to 4.25" (11.0 cm)				Up to 4.5" (11.5 cm)	2.0" (5.0 cm)	
RK40/RK400	Up to 4.0" (9.0 cm)	Up to 3.5" (9.0 cm)				Up to 2.5" (6.5 cm)	2.0" (5.0 cm)	
Memory Size/ Application Areas	2k bits with two areas	2k bits with two application areas; 16k bits with two application areas (16k/2); 16k bits with 16 application areas (16k/16); 32k bits (16k/2+16k/1); 32k bits (16k/16+16k/1)		2k bits with two application areas; 16k bits with two application areas (16k/2); 16k bits with 16 application areas (16k/16); 32k bits (16k/2+16k/1); 32k bits (16k/16+16k/1)				
HID Proximity 125 kHz	No			Yes		No		
Contact Smart Chip Module Embeddable	No		Yes**	No	Yes**	No		
Wiegand Strip	No					Yes	No	
Magnetic Stripe	No	Optional					No	
Printable ***	Yes						No	
Standard HID Artwork	Optional						No	Yes
Slot Punch	Vertical Included	Vertical Optional				Horizontal or Vertical Optional	Key Ring Hole	No
Visual Security Options	N/A	Yes					N/A	
Additional Security Options	Corporate 1000, iCLASS Elite							
Warranty	Lifetime							

* Dependant upon installation conditions.

** Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

*** Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

SmartID™ MIFARE®/DESFire® – Readers

SmartID™ 13.56 MHz Contactless



	SmartID™ Mullion S10	SmartID™ Mullion Keypad SK10	SmartTOUCH™ SB10	SmartTOUCH™ Keypad SBK10
Base Model Number*	8030D	8031D	800-8050 (MIFARE) 800-8052 (DESFire)	800-8055 (MIFARE) 800-8057 (DESFire)
Dimensions	5.59" x 1.81" x 0.98" (14.0 cm x 4.5 cm x 2.5 cm)		7.58" x 1.99" x 1.69" (19.5 cm x 5.0 cm x 4.5 cm)	
Weight	4.3 oz (122 g)		5.5 oz (157 g)	
Read Range	Up to 1.5" (3.8 cm)		Up to 1.18" (3.0 cm)	
Mounting	Mullion or Single-gang electrical box**			
Power Supply	5 - 24 VDC		8-24 VDC	
Current Requirements	68 mA AVG, 82 mA PEAK (@ 12 VDC)		208 mA AVG / 417 mA PEAK (@ 12VDC)	
Termination	Terminal			
Output Formats	Wiegand, Clock-and-Data, RS232, RS485, RS422			
Tamper	Option (Switch)			
Indoor/ Outdoor	Both		Indoor	
Additional Technologies			Fingerprint, CMOS, 250 dpi	
Accessories	8090AS Single-gang Electrical Box Cover 9287AS Spacer Kit 0300A Tamper Switch		500-8095 Single-gang Electrical Box Cover 800-0300 Tamper Switch	
Warranty	Lifetime		One Year	

* Multiple base part numbers available depending upon application

** Single-gang mounting requires purchase of additional accessory

SmartTRANS™ 125 kHz Proximity and 13.56 MHz Contactless



	SmartTRANS™ Mullion SP10	SmartTRANS™ Mullion Keypad SPK10
Base Model Number	8100D (HID Prox/AWID)	8101D (HID Prox/AWID)
Dimensions	5.59" x 1.81" x 0.98" (14.0 cm x 4.5 cm x 2.5 cm)	
Read Range	MIFARE: Up to 1.5" (3.8 cm); HID/AWID: Up to 1.3" (3.2 cm)*	
Mounting	Mullion or Single-gang electrical box**	
Power Supply	5-24 VDC	
Current Requirements	79 mA AVG, 96 mA PEAK (@ 12 VDC)	
Termination	Terminal	
Output Formats	Wiegand, Clock-and-Data, RS232, RS485, RS422	
Tamper	Option (Switch)	
Indoor/Outdoor	Both	
Accessories	8090AS Single-gang Electrical Box Cover 9287AS Spacer Kit 0300A Tamper Switch	
Warranty	Lifetime	

*Only reads 26-bit and Corporate 1000 formats.

** Single-gang mounting requires purchase of additional accessory

SmartID

FlexSmart™ 13.56 MHz Contactless – Readers



	MIFARE® HID Format Secure Reader	MIFARE® Custom Reader	DESFire® Custom Reader	MIFARE® HID Format Secure Keypad Reader	MIFARE® Custom Keypad Reader	DESFire® Custom Keypad Reader
Base Model Number	6075	6076	6077	6071	6072	6073
Dimensions	4.3" x 1.5" x 0.72" (10.9 cm x 3.8 cm x 1.08 cm)			4.7" x 2.9" x 1.1" (11.9 cm x 7.4 cm x 2.8 cm)		
Weight	4.0 oz (113 g)			12.0 oz (340 g)		
Read Range	Up to 2.0" (5.0 cm)			Up to 2.0" (5.0 cm)		
Mounting	Mullion base with interchangeable bezels			Single-gang electrical box		
Power Supply	Power Supply 9-16 VDC, Linear supply recommended			Power Supply 9-16 VDC, Linear supply recommended		
Current Requirements	15-75 mA			25 mA / 100 mA @ 12 VDC; Linear power supply recommended		
Termination	Pigtail			Pigtail		
Output Formats	Wiegand or Clock-and-Data			Wiegand or Clock-and-Data		
Certifications/ Approvals	FCC Certification, Canada Certification, CE Mark (Europe), New Zealand, Australia c-Tick Pending Certifications: Taiwan, Singapore, Germany VdS, UL 294/cUL,			FCC Certification, Canada Certification, CE Mark (Europe), New Zealand, Australia c-Tick Pending Certifications: Taiwan, Singapore, Germany VdS, UL 294/cUL,		
Tamper	No			No		
Indoor/Outdoor	Both			Both		
Warranty	Lifetime			Lifetime		

FlexSmart

MIFARE® / DESFire® 13.56 MHz Contactless – Credentials

MIFARE / DESFire

								
	MIFARE® Card	MIFARE® / HID Prox Combo Card	DESFire® Card	DESFire® / HID Prox Combo Card	MIFARE® Keyfob	DESFire® Keyfob	MIFARE® Adhesive Tag	DESFire® Adhesive Tag
Base Part Number	I430: PVC 1k Card	I431: PVC 1k Card	I450: PVC Card	I451: PVC Card	I434: 1k Keyfob	I454	I435: 1k Tag	I455
	I440: PVC 4k Card	I441: PVC 4k Card	I456: Composite PET/PVC Card	I457: Composite PET/PVC Card	I444: 4k Keyfob		I445: 4k Tag	
	I436: Composite PET/PVC 1k Card	I437: Composite PET/PVC 1k Card						
	I446: Composite PET/PVC 4k Card	I447: Composite PET/PVC 4k Card						
Read Range *								
MIFARE	Up to 4.0" (10.0 cm)		N/A		Up to 2.0" (5.0 cm)	N/A	Up to 2.0" (5.0 cm)	N/A
DESFIRE	N/A		Up to 4.0" (10.0 cm)		N/A	Up to 2.0" (5.0 cm)	N/A	Up to 2.0" (5.0 cm)
HID Prox	N/A	Up to 4.5" (11.5 cm)	N/A	Up to 4.5" (11.5 cm)	N/A			
Indala Prox	N/A							
Memory Size/ Application Areas	1k Byte (8k bits) or 4k Bytes (32k bits)		4k Bytes (32k bits)		1k Byte (8k bits) or 4k Bytes (32k bits)	4k Bytes (32k bits)	1k Byte (8k bits) or 4k Bytes (32k bits)	4k Bytes (32k bits)
HID Proximity 125 kHz	No	Yes	No	Yes	No			
Contact Smart Chip Module Embeddable	Yes**				No			
Wiegand Strip	No							
Magnetic Stripe	Optional				No			
Printable ***	Yes				No			
Standard HID Artwork	Optional				Yes			
Slot Punch	Vertical optional				Key Ring Hole		No	
Visual Security Options	Yes				No			
Additional Security Options	Corporate 1000							
Warranty	Lifetime							

* Dependant upon installation conditions.

** Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

*** Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

multiCLASS™ I25 kHz Proximity and I3.56 MHz Contactless



RP15



RP40



RPK40

Base Model Number	6145A/6143A/6144A	6125B/6123B/6124B	6136A/6133A/6134A
Dimensions	6.0" x 1.9" x 0.9" (15.3 cm x 4.8 cm x 2.3 cm)	4.8" x 3.3" x 1.0" (12.2 cm x 8.4 cm x 2.5 cm)	4.8" x 3.3" x 1.1" (12.2 cm x 8.4 cm x 2.8 cm)
Weight	5.9 oz (166 g)	8.8 oz (250 g)	9.1 oz (258 g)
Read Range	iCLASS: Up to 3.5" (9.0 cm) HID Prox: Up to 4.0" (10.0 cm) Indala Prox: Up to 2.25" (5.5 cm)	iCLASS: Up to 4.25" (11.0 cm) HID Prox: Up to 4.0" (10.0 cm) Indala Prox: Up to 2.25" (5.5 cm)	
Mounting	Mullion, Fits footprint of HID MiniProx reader.	U.S./EU/Asian back box	
Power Supply	5-16 VDC, Linear supply recommended		
Current Requirements*	55/93 mA	55/123 mA	85/169 mA
Termination	Pigtail		
Output Formats	Wiegand, Clock-and-Data		
FIPS 201 Certification	Yes		
Tamper	Optical		
Indoor/Outdoor	Both		
Additional Technologies	Reads HID Prox and AWID or Indala Proximity		
Warranty	Lifetime		

* Add 25 mA when configured with HID Prox. Add 40 mA when configured with Indala Proximity.



iCLASS® Card Embeddable



iCLASS® Prox



iCLASS® Prox Embeddable



iCLASS® Wiegand

Base Part Number	201X/211X	202X/212X	203X/213X	204X
Read Range: *				
R10/RW100	Up to 3.25" (8.0 cm)			Up to 3.0" (7.5 cm)
R30/RW300	Up to 4.0" (10.0 cm)			Up to 3.0" (7.5 cm)
R40/RW400	Up to 4.25" (11.0 cm)			Up to 4.5" (11.5 cm)
RK40/RK400	Up to 3.5" (9.0 cm)			Up to 2.5" (6.5 cm)
Memory Size/ Application Areas	2k bits with two application areas; 16k bits with two application areas (16k/2); 16k bits with 16 application areas (16k/16); 32k bits (16k/2+16k/1); 32k bits (16k/16+16k/1)			
HID Proximity 125 kHz	No	Yes		No
Contact Smart Chip Module Embeddable	Yes**	No	Yes**	No
Wiegand Strip	No			Yes
Magnetic Stripe	Optional			
Printable ***	Yes			
Standard HID Artwork	Optional			
Slot Punch	Vertical Optional			Horizontal or Vertical Optional
Visual Security Options	Yes			
Additional Security Options	Corporate 1000, iCLASS Elite			
Warranty	Lifetime			

* Dependant upon installation conditions.

** Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

*** Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

multiCLASS

HID® Prox I25 kHz Proximity – Readers



	ProxPoint Plus®	MiniProx®	Thinline® II	ProxPro®	ProxPro® II	ProxPro® with Keypad	EntryProx™	MaxiProx®	Prox80™
Base Model Number	6005B/6008B	5365E/5368E	5395C/5398C	5355A/5352A/5358A	5455B/5458B	5355A/5352A/5358A	4045C	5375A	5405A/5408A
Dimensions	3.13" x 1.7" x 0.66" (8.0 cm x 4.5 cm x 1.5 cm)	6.0" x 1.7" x 1.0" (15.0 cm x 4.5 cm x 2.0 cm)	4.7" x 3.0" x .68" (12.0 cm x 7.5 cm x 1.5 cm)	5.0" x 5.0" x 1.0" (12.5 cm x 12.5 cm x 2.5 cm)			5.25" x 2.75" x 1.37" (13.5 cm x 7.0 cm x 3.5 cm)	12.0" x 12.0" x 1.0" (30.5 cm x 30.5 cm x 2.5 cm)	3.15" x 3.15" x 0.8" (8.0 cm x 8.0 cm x 2.0 cm)
Weight	3.6 oz (102 g)	7.89 oz (224 g)	7.33 oz (208 g)	9.62 oz (273 g)	13.65 oz (387 g)	9.62 oz (273 g)	11.76 oz (333 g)	50.8 oz (1440 g)	2.2 oz (63 g)
Read Range	Up to 3.0" (7.5 cm)	Up to 5.5" (14.0 cm)		Up to 8.0" (20.5 cm)			Up to 3.0" (7.5 cm)	Up to 24.0" (61.0 cm)	Up to 5.5" (14.0 cm)
Mounting	Mullion		Single-gang electrical box	Single-gang electrical box; Glass Mount Kit Available			US or EU single gang box, wall surface, or on glass with included adhesive pads	Mount on non-metallic surfaces for optimal read range performance.	EU/Asian single-gang box
Power Supply	5-16 VDC			10-28.5 VDC	5-16 VDC	10-28.5 VDC	10-15 VDC	12 VDC or 24 VDC	5-16 VDC
Current Requirements	35 mA			155 mA	40 mA	155 mA	150 mA	200/700 mA @ 12 VDC 260 mA/1.2 A @ 24 VDC	35 mA
Termination	Pigtail	Pigtail or Terminal Strip	Pigtail			Terminal Strip			Pigtail
Output Formats	Wiegand or Clock-and-Data			Wiegand, Clock-and-Data, RS-232 or RS-422	Wiegand or Clock-and-Data	Wiegand, Clock-and-Data, RS-232 or RS-422	Wiegand	Wiegand, Clock-and-Data, RS-232, RS-422 and RS-485	Wiegand or Clock-and-Data
Tamper	No			Switch	No	Switch		Switch	No
Indoor/Outdoor	Both								
Warranty	Lifetime								

HID Prox

HID® Prox I25 kHz Proximity – Credentials

HID Prox

											
	ProxCARD® II	ISOProx® II	DuoProx® II	Smart ISOProx II™	Smart DuoProx® II	iCLASS® Prox	MIFARE®/Prox	ProxCARD® Plus	ProxKey® II	MicroProx® Tag	ProxPass® II
Base Part Number	I326	I386/I586	I336/I536	I397/I597	I398/I598	202X/212X; 203X/213X	I431	I69	I346	I391	I351
Read Range: *											
ProxPoint® Plus	Up to 3.0" (7.5 cm)	Up to 2.5" (6.5 cm)						Up to 1.0" (2.5 cm)	Up to 1.5" (4.0 cm)	Up to 2.0" (5.0 cm)	N/A
MiniProx®	Up to 5.5" (14.0 cm)	Up to 5.0" (12.5 cm)						Up to 2.0" (5.0 cm)		Up to 2.5" (6.5 cm)	N/A
Thinline® II	Up to 5.5" (14.0 cm)	Up to 5.0" (12.5 cm)						Up to 1.5" (4.0 cm)	Up to 2.0" (5.0 cm)	Up to 3.0" (7.5 cm)	N/A
ProxPro®	Up to 8.0" (20.5 cm)	Up to 7.0" (18.0 cm)						Up to 3.0" (7.5 cm)		Up to 4.0" (10.0 cm)	N/A
ProxPro® II	Up to 9.0" (23.0 cm)	Up to 8.0" (20.0 cm)						Up to 4.0" (10.0 cm)		Up to 4.5" (11.5 cm)	N/A
MaxiProx®	Up to 29.0" (74.0 cm)	Up to 20.0" (51.0 cm)						Up to 13.0" (33.0 cm)	Up to 17.0" (43.0 cm)	Up to 15.0" (38.0 cm)	Up to 6.0' (1.8 m)
EntryProx™	Up to 3.0" (7.5 cm)	Up to 2.5" (6.5 cm)						Up to 1.0" (2.5 cm)	Up to 1.5" (4.0 cm)	Up to 2.0" (5.0 cm)	N/A
Prox80™	Up to 5.5" (14.0 cm)	Up to 5.0" (12.5 cm)		Up to 2.5" (6.0 cm)		Up to 5.0" (12.5 cm)		Up to 1.5" (3.5 cm)	Up to 2.0" (5.0 cm)	Up to 2.5" (6.0 cm)	N/A
Memory Size/ Application Area	N/A					2k bits with two application areas; 16k bits with two application areas, 16k bits with 16 application areas; 32k bits (16k/2+16k/1), 32k bits (16k/16+16k/1)	MIFARE 1K: 1K Byte (8k bits) in 16 64-byte Sectors MIFARE 4K: 4K Byte (32k bits) in 40 Sectors: 32 sectors of 64 bytes, 8 sectors of 256 bytes.	N/A			
HID Proximity 125 kHz	Yes										
Contact Smart Chip Module Embeddable	No			Yes**		Optional**			No		
Wiegand Strip	No							Yes	No		
Magnetic Stripe	No	Yes	No	Yes	Optional			No			
Printable ***	Yes								No		
Standard HID Artwork	Optional								No	Yes	N/A
Slot Punch	Vertical (standard)	Horizontal or Vertical Optional		Vertical Optional				Horizontal or Vertical Optional	Key Ring Hole	No	
Visual Security Options	N/A	Yes							N/A		
Additional Security Options	Corporate 1000										
Warranty	Lifetime										One Year

* Dependant upon installation conditions.

** Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

*** Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

Indala® Prox I25 kHz Proximity – Readers



Wallswitch Readers	Classic Readers	Mullion (Slim) Readers	Mid-Range Readers	Long-Range Reader	Heavy-Duty PinProx Keypad Readers	Membrane Keypad Readers
603 Core Module FP-0500A			610 Core Module FP-0200A and FP-0200S (Serial)	620 Core Module ASR-620XX	FP5071B Black or FP5077B Beige	FP5061B - Black, 8-bit burst/buffered FP5067B - Beige, 8-bit burst/buffered FP5061M - Black, 3x4 matrix FP5067M - Beige, 3x4 matrix
Arch 4.5" x 3.0" x 0.8" (11.5 cm x 7.5 cm x 2.0 cm) Wave 5.5" x 3.3" x 1.1" (14.0 cm x 8.5 cm x 3.0 cm) Curve 5.0" x 3.8" x 1.1" (12.5 cm x 9.5 cm x 3.0 cm) Linear 4.6" x 3.0" x 0.9" (11.5 cm x 7.5 cm x 2.5 cm)	2.3" x 5.3" x 0.8" (6.0 cm x 13.5 cm x 2.0 cm)	Arch 4.5" x 1.7" x 0.8" (11.5 cm x 4.5 cm x 2.0 cm) Wave 5.5" x 1.7" x 1.1" (14.0 cm x 4.5 cm x 3.0 cm) Curve 4.9" x 1.7" x 1.1" (12.5 cm x 4.5 cm x 3.0 cm) Linear 5.5" x 1.7" x 0.8" (14.0 cm x 4.5 cm x 2.0 cm)	5.0" x 5.0" x 1.0" (12.5 cm x 12.5 cm x 2.5 cm)	11.2" x 11.2" x 1.8" (28.5 cm x 28.5 cm x 4.5 cm)	4.7" x 2.9" x 1.1" (12.0 cm x 7.5 cm x 3.0 cm)	4.5" x 3.0" x 0.7" (11.5 cm x 7.5 cm x 1.5 cm)
5.05-5.84 oz (143-166 g)	5.12 oz (145 g)	4.94-5.84 oz (140-166 g)	14.16-15.28 oz (401-433 g)	47.04 oz (1.33 kg)	13.44 oz (381.02 g)	7.08 oz (200.58 g)
Up to 5.0" (12.5 cm)			Up to 12.0" (30.5 cm)	Up to 26.0" (66.0 cm)	Up to 4.0" (10.0 cm)	
Single-gang electrical box	Replaces HID Classic Wiegand Swipe reader	Mullion	Single or double gang box	Non-ferrous wall surface (or use 3.0" spacer on or near ferrous surface)	Single-gang electrical box	
4-16 VDC				12-24 VDC	4-16 VDC	
65 mA			117 mA	1.0A/750 mA	75 mA	
Pigtail				Terminal Strip	Pigtail	
Wiegand, Clock-and-Data, Serial TTL (requires use of BIL 232/422 Module)				Wiegand, Clock-and-Data	Wiegand, Clock-and-Data, Serial TTL (requires use of BIL 232/422 Module)	
No						
Both						
Lifetime						

Indala Prox

Indala® Prox I25 kHz Proximity – Credentials

Indala Prox

								
	FlexCard®	FlexISO®	FlexISO® XT	FlexISO® MIFARE®	FlexISO® DESFire™	FlexISO® iCLASS®	FlexTag™	FlexKey®
Base Part Number	FPCRD	FPISO	FPIXT	FPMXI	FPDXI	202X-IND	FPTAG	FPKEY
Read Range: *								
Wallswitch Reader	Up to 5.0" (12.0 cm)		Up to 4.0" (10.0 cm)				Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Classic Reader				Up to 5.0" (12.0 cm)			Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Mullion (Slim) Reader				Up to 5.0" (12.0 cm)			Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Mid-Range Reader				Up to 12.0" (30.0 cm)			Up to 7.0" (17.0 cm)	
Long-Range Reader	Up to 25.0" (63.0 cm)	Up to 26.0" (66.0 cm)		Up to 24.0" (61.0 cm)			Up to 14.0" (35.0 cm)	Up to 16.0" (40.5 cm)
Heavy-Duty PinProx Keypad Reader				Up to 3.75" (9.5 cm)			Up to 1.75" (4.5 cm)	Up to 3.5" (9.0 cm)
Membrane Keypad Reader				Up to 4.0" (10.0 cm)			Up to 3.0" (7.0 cm)	Up to 3.5" (9.0 cm)
Memory Size/ Application Areas	N/A			1k Byte (8k bits) or 4k Bytes (32k bits) MIFARE 1k: memory arranged in 16 64- byte Sectors MIFARE 4k: memory arranged in 40 Sectors: 32 sectors of 64 bytes, 8 sectors of 256 bytes	4k Bytes (32k bits)	2k bit (256 Byte) card – 2 application areas 16k bit (2k Byte) – 2 or 16 application areas 32k bit (4k Byte) card – 16k bit in 2 or 16 application areas plus 16k bit user configurable.	N/A	
Indala Proximity 125 kHz	Yes							
Contact Smart Chip Module Embeddable	No	Optional**					No	
Wiegand Strip	No							
Magnetic Stripe	No	Optional					No	
Printable ***	Yes						No	
Standard HID Artwork	Optional						No	Yes
Slot Punch	Vertical	Horizontal or Vertical optional		Vertical optional			No	Keyring
Visual Security Options	Yes						N/A	
Additional Security Options	FlexEnterprise							
Warranty	Lifetime							

* Dependant upon installation conditions.

** Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

*** Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

Wiegand Swipe – Readers & Credentials

Wiegand



Classic Swipe



Turnstile Reader



Epic™ Reader



Insertion Reader



SensorKey™ Reader



PINPad Reader

Base Model Number	310	314	315	312	313	310
Dimensions	2.3" x 5.3" x 1.7" (6.0 x 13.5 x 4.5 cm)	1.75" x 7.0" x 1.75" (4.5 x 18.0 x 4.5 cm)	2.66" x 5.86" x 1.5" (7.0 x 15.0 x 3.0 cm)	1.18" x 3.18" x 3.0" (3.0 x 8.0 x 7.5 cm)	1.62" x 1.5" x 2.0" (4.0 x 4.0 x 5.0 cm)	5.64" x 4.27" x 2.25" (14.5 x 11.0 x 5.5 cm)
Weight	13.2 oz (374 g)	18.5 oz (524 g)	13.4 oz (380 g)	4.9 oz (139 g)	4.5 oz (128 g)	15.5 oz (439 g)
Mounting	Back-mounted on a vertical surface, with slot orientation either upward, downward or facing to the left or right.	Bottom-mounted on a horizontal surface, it can also be mounted on a wall with the slot aligned vertically.	Back-mounted on a vertical surface	Mount in-the-wall or to mounting plate		Single-gang box
Power Supply	5-12 VDC					
Current Requirements	40 mA (typical)					
Warranty	Lifetime					



**SensorCard™
Wiegand Access Card**



**SensorCard II™
Multiple Technology Card**



**Pocket Tag™ Wiegand
Access Control Tag**



**SensorKey™
Wiegand Key**

	SensorCard™ Wiegand Access Card	SensorCard II™ Multiple Technology Card	Pocket Tag™ Wiegand Access Control Tag	SensorKey™ Wiegand Key
Base Part Number	10 - ISO 11 - Standard 14 - Extra Duty	10	145	25
Warranty	Lifetime			

Magnetic Stripe – Readers



**Magnetic Stripe/
Prox Reader**

**Magnetic Stripe/
Prox Reader
with Keypad**

Insertion Reader

**Insertion Reader
with Keypad**

Rugged Reader

**Rugged Keypad
Reader**

**Magnetic Stripe
Reader**

Base Model Number	3110-2305	3110-2405	3110-544X	3110-584X	3110-7401	3110-7801	3110-6445
Dimensions	4.56" x 3.0" x 1.14" (11.5 x 7.5 x 3.0 cm)				5.125" x 6.75" x 3.0" (13.0 x 17.0 x 7.5 cm)		6.0" x 1.75" x 1.49" (15.0 x 4.5 x 4.0 cm)
Weight	29.25 oz (829 g)	30.06 oz (852 g)	6.72 oz (191 g)	7.04 oz (200 g)	40.56 oz (1150 g)		6.16 oz (175 g)
Mounting	Single-gang box						Mullion or Single-gang box
Power Supply	5-24 VDC		4.75-5.25 VDC		10.5-13 VDC		5 VDC
Current Requirements	120 mA @ 5 VDC; 170 mA @ 12 VDC		35 mA @ 5.25 VDC		35 mA @ 13 VDC		35 mA @ 5 VDC
Warranty	27 Months						

Magstripe

Support

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