



systemdesign cheatsheet



Head-End Units

Product	Part #	Description	Product	Part #	Description
Red Cloud Node One door controller	RCNE	Ethernet	Red Cloud Node SE	RSVR	Rack Mount Cloud Node Server Edition
	RCNEW	Ethernet+Wireless			



Indoor Expansion

Product	Part #	Description
Red One One door controller	R1	Ethernet
	RMW	Wireless Add-on
	RMPOE	PoE++ Add-on
Red Two Two door controller	R2	Ethernet
	RMW	Wireless Add-on
	RMPOE	PoE++ Add-on
Red Four Four door controller	R4	Ethernet
	RMW	Wireless Add-on
	RMPOE	PoE++ Add-on
Red Eight Eight door controller	R8	Ethernet
	RMW	Wireless Add-on
	RMPOE	PoE++ Add-on

Outdoor Expansion

Product	Part #	Description
Red Gate Outdoor controller	RGE	Ethernet
	RGW	Wireless
	RMPOE	PoE++ Add-on
Red Pedestal Outdoor controller <small>*reader not included</small>	RPE	Ethernet
	RPW	Wireless
	RMPOE	PoE++ Add-on

Customizable Expansion

Product	Part #	Description
Red Max Fits 6 Expander Boards 2x R4E Included	RMAX	Ethernet
	RGW	Wireless
	RMPOE	PoE++ Add-on
Expander Boards	R1E	Red 1 Expander
	R2E	Red 2 Expander
	R4E	Red 4 Expander
	A8E	Aux 8 Expander

Elevator or Door Monitoring Expansion

Product	Part #	Description
Aux 8 Auxiliary controller	A8	Ethernet
	RMW	Wireless Add-on
	RMPOE	PoE++ Add-on












NOTE: All indoor and outdoor Red controllers come with a built-in RJ45 connection for network connectivity. Once connected, the Red controllers are self-discoverable from pdk.io using IPV6. Alternatively, you may use IPV4 or assign a static IP using pdk.io if desired.

NOTE: 12V lock power onboard, 24V locks will require a power supply





Readers

Product	Part #	Description	Product	Part #	Description
 <p>Red Reader Mullion reader</p>	RM	High-Security	 <p>Touch io Mobile credential reader</p>	RDRBT	Mullion with Single-Gang Backplate
	RMP	High-Security + Prox			
	RMB	High-Security + Mobile	 <p>Rugged Reader Vandal proof keypad reader</p>	RDRMRK	Mullion
	RMPB	High-Security + Prox + Mobile		RDRGRK	Single Gang
 <p>Red Reader Single gang reader</p>	RG	High-Security	 <p>Rugged Reader Vandal proof reader</p>	RDRMRS	Mullion
	RGP	High-Security + Prox		RDRGRS	Single Gang
	RGB	High-Security + Mobile	 <p>Standard Readers</p>	RDRM	Mullion
	RGPB	High-Security + Prox + Mobile		RDRG	Single-Gang
 <p>Red Reader Keypad reader</p>	RK	High-Security	 <p>Keypad Reader</p>	RDRKP	Mullion
	RKP	High-Security + Prox			
	RKB	High-Security + Mobile	 <p>HD Reader Stainless Steel Vandal proof reader</p>	RDRSR	Mullion
	RKPB	High-Security + Prox + Mobile			
 <p>QR/Barcode Prox/Pin Reader</p>	RDRQR	Single Gang	 <p>Metal Push Button Reader</p>	RDRPB	Single Gang





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Peripherals

Product	Part #	Description	Product	Part #	Description
REX Sensor	REXM	Request-To-Exit Sensor	Wireless Repeater	MNR	Increase the wireless signal strength
Ethernet Gateway	LZE	Extend Wireless Signal	HV Converter	HVC	High-Voltage Power Converter



Credentials

Product	Part #	Description	Product	Part #	Description
Red Key Fobs	RKF	High-Security 13.56 MHz (8k)	ProdataKey App		Bluetooth Mobile Credentials Remote App Mobile Credentials
Red Prox Cards Printable Cards	RC	High-Security 13.56 MHz (4k)	Prox Cards	CPC	Printable
	RCP	High-Security (4k) + Prox (125 kHz)		CSC	Clamshell
	RC8	High-Security 13.56 MHz (8k)	Key Fob	KFC	Prox Key Fob
	RC8P	High-Security (8k) + Prox (125 kHz)			
Red Prox Cards Printable Cards	RC8M	High-Security 13.56 MHz (8k) + Mag Stripe	Leather Key Fob	LTH	Prox Key Fob
Sticker Credential	STK	26-bit Wiegand	Bracelet Credential	BRC	26-bit Wiegand





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Pdk.io provides the most powerful and streamlined access control platform on the market. Experience full configuration and management from any internet-connected device. Manage users, create groups, open and close doors, set system rules, get SMS & email alerts, and more. All in a single app.

Hosting **Subscription** Per Cloud Node

	billed annually		
	1-2 devices	3-12 devices	13-100 devices
platinum partner	\$4 month per device	\$3 month per device	\$2 month per device
gold partner	\$5 month per device	\$3.5 month per device	\$2.5 month per device
certified partner	\$6 month per device	\$4 month per device	\$3 month per device
non certified partner	\$7 month per device	\$6 month per device	\$4 month per device

addons

pdkio reporting plans	data	storage	save time	price
small business	90 days	100 MB	30 days	included
commercial essentials	1 year	1 GB	6 months	\$99 year
premium enterprise	5 years	10 GB	2 years	\$149 year



Red | mobile **reader**

platinum	gold	certified	noncertified
\$1 reader per month	\$2 reader per month	\$3 reader per month	\$4 reader per month



touch™ by ProdataKey

\$4 | reader per month

aperio integration	\$75 lock one time	comelit integration	\$300 year per cloud node
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What qualifies a device?

Each port used on your PDK board that features a reader, a monitoring sensor, or output trigger is considered as a device. Any additional readers used for read-in/read-out or multi-drop is considered as an additional device. When controlling elevator floors, only the elevator reader counts as a device. Every floor trigger is not considered to be a device. For additional questions, please contact PDK sales.