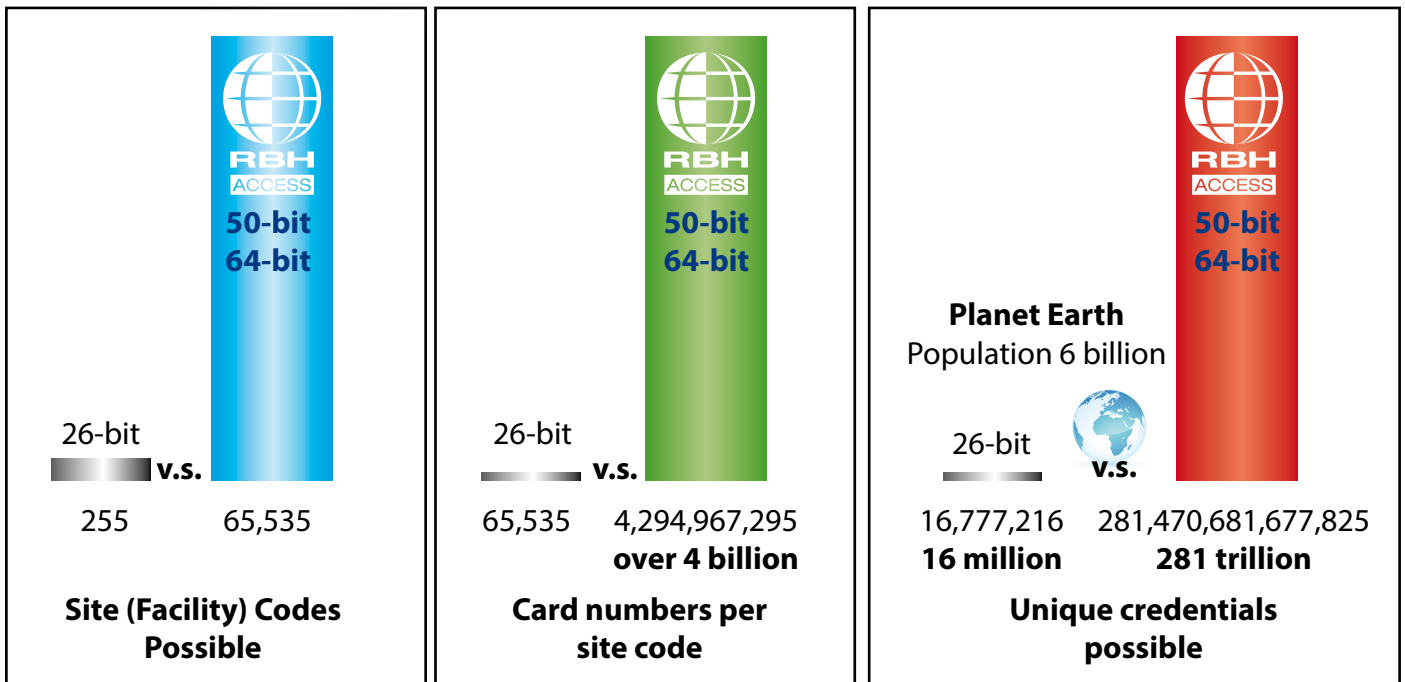


# Advantages of RBH 50-bit and 64-bit card formats over a generic 26-bit card format



## RBH 50 & 64-bit formats allow for 281 trillion unique card numbers

Format	26 Bit	RBH 50 Bit	RBH 64 Bit
Type	Generic	Secure	Secure
Compatibility	HID or AWID	AWID	HID
Can order duplicates	Yes	No	No
Unique	No	Yes	Yes
Need to custom order specific site codes	Yes	No	No
Need to keep track of card numbers	Yes	No	No
Available through many sources	Yes (All)	Yes (Select)	No (Select)
Site (Facility) Codes Possible	255	65,535	65,535
Card numbers per site code	65,535	4,294,967,295	4,294,967,295
Unique credentials possible	16,711,425	281,470,681,677,825	

## How many 26-bit duplicates are out there?

Law suites were filed due to security breaches caused by 26-bit duplicate cards

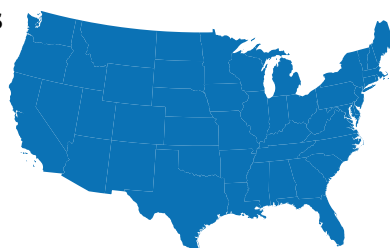
Low numbers are repeated more often and usually given to VIPs



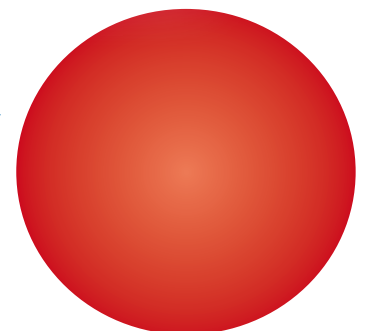
**Unique 26-bit cards**  
16,777,216  
**17 million**



**NY State Population**  
18,976,457  
**19 million**



**US Population**  
307,006,550  
**307 million**



**26-bit cards produced**  
500,000,000+  
**Over 500 million**