

Trusted Photo ID Solution Comparison Matrix

	Relative Cost	Typical Storage	Encryption Strength	Cloning and Counterfeiting	Unique Id Capability	Strengths & Typical Uses	Drawbacks
Magnetic Stripe	¢¢	300 Characters	none	Y	Small Group	Credit, loyalty cards	Magnet can Scramble
1D Barcode	¢	10-20 Characters	none	Y	Small Group	Consumer goods	Printing Wears Off
2D Barcode	¢	1800 Characters	none	Y	Smaller Population	Asset tagging	Time to Read
Encrypted Barcode	¢	>1800 Characters	some	Y	Smaller Population	Increased time to breach	Brute Force Overcomes Encryption
RFID Tag	¢¢	2,000 Characters	some	N	Y	Asset tagging, SCM	Shielding
Proximity (125 KHz)	\$	N/A	none	Y	Y	Better than phys key	Potential Vulnerability
Dual Interface Smart Card	\$\$\$\$	64K	strong	N	Y	Superior identity confidence	Friction of Contact
Contactless Smart Card	\$\$	4K/8K	strong	N	Y	Superior identity confidence	Size of Storage, Shielding