

## Data Sheet

### Tag\_types.pdf

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#### Summary of supported passive transponders (smart cards, tags etc)

Transponder type	Frequency	Memory size (bytes) Total/user	Communication rate (baud)	Security	Key features and typical application
<b>Hitag 1</b>	125 kHz	256/192	up to 4k	Yes, data encryption	<b>Read/Write</b> (General purpose)
<b>Hitag S256/2048*</b>	125 kHz	256/256	up to 4k	Yes, data encryption and password	<b>Read/Write</b> (General purpose)
<b>Hitag 2</b>	125 kHz	32/16	up to 4k	Yes, password exchange	<b>Read/Write</b> (Secure access, asset tracking)
<b>EM4001/4102 (UNIQUE tag)</b>	125 kHz	8/5	up to 4k	No	<b>Read-only</b> (Access control)
<b>MCRF200/123</b>	125 kHz	16/14	up to 4k	No	<b>Read-only</b> (Access control)
<b>Mifare 1k</b>	13.56 MHz	1024/768 (16 individual segments)	up to 106k	Yes, multiple keycodes and Crypto	<b>Read/Write</b> (secure multi-application card, payment, access)
<b>Mifare 4k</b>	13.56 MHz	4096/3456 (40 individual segments)	up to 106k	Yes, multiple keycodes and Crypto	<b>Read/Write</b> (secure multi-application card, payment, access)
<b>Ultralight</b>	13.56 MHz	64/48	up to 106k	No	<b>Read/Write</b> (low-cost payment)
<b>ICODE SLI (ISO15693)</b>	13.56 MHz	128/112	Up to 53k	No	<b>Read/Write</b> (low-cost asset tracking, smart labels)

\*Hitag S supported in plain memory mode at present (Philips default)

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