ib technology

Data Sheet

<div align="center">

Tag_types.pdf
1 Page
Last Revised 06-01-06

</div>

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

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

<div align="center">

http://www.ibtechnology.co.uk

sales@ibtechnology.co.uk

</div>