

Compact Flash RFID Reader



13.56MHz CF RFID Reader

The 13.56MHz CF Reader is a read/write device that supports a broad range of transponders.

It is designed to communicate with ISO15693, TagIt®, Icode®, SR176, Mifare®, Ultralight, ISO 14443 Type A and B and FELICIA Transponders.

With its integrated antenna and compact flash type 2 interface it is ready to use and easily connected to any handheld with a type 2 CF slot.

Device drivers are available for Windows 98, Me, 2000, NT with Service Pack 4 and Win XP.

The unit is controlled via the CF serial Interface with a simple Ascii Protocol.

Not all Tags have the same functionality and so commands will have different effects depending on the type of tag being addressed. For instance you cannot write to a block of memory in SR176 codes as it does not exist.

Each tag read returns a control character and the serial number of the tag describing the Tag family, this can be used by your application to identify to the user the type of tag being read.

V	ISO 15693 (8 Bytes)
T	TAGIT (4 Bytes)
M	MIFARE (4 Bytes), Ultra Light
I	ICODE (8 Bytes)
M	ISO14443 Type B (4 Bytes)
U	ISO 14443 Type C (16 Bytes)
S	SR176 (8 Bytes)

For Example VE0071234567890AB for an ISO 15693 Tag



Command	Description
C	Continuously Read all labels
OT	TAGIT Only
OV	ISO15693 Only
OM	MIFARE Type A Only
Om	MIFARE Tpe B Only
OU	ISO14443 Only
OI	ICODE Only
OS	SR176 Only
R	Read block/page of last selected tag type, (TAGIT, ICODE, ISO15693 and MIFARE Only)
W	Write block/page of last selected tag type, (TAGIT, ICODE, ISO15693 and MIFARE Only)
K	Lock Page (TAGIT & ISO 15693 Only)
T	Transfer Command (ISO 15693, ISO 14443 and MIFARE Ultra Light Only)
X	Reset
P	Toggle OFF antenna - ON antenna

Plus other commands for controlling anticollisions of ISO 15693 tags and for controlling the state of the CF reader itself.