

## 1. GENERAL INFORMATION

### 1.1. Product description of CL1356T

**ELECTRONIC  
MICRO ELECTRONIC  
INNOVATIVE PRODUCTS**

**Understand - Analyse - Design - Evolve**



**Thank you for purchasing the Tablet RDIF reader**  
Tablet is a RFID reader that complies with ISO14443 part 2, 3 and 4 (cards type A, B or 15693).  
Tablet can read and write RFID Memory cards, processors smart cards and ICAO passports up to 10cm distance.  
Communication speed can be selected at 106, 212, 424 and up to 847 kbps.

**Manufacturer :** id3 Semiconductors  
[www.id3semiconductors.com](http://www.id3semiconductors.com)  
Kit reference: 085K048

**This kit includes :**  
> 1 Tablet RF Reader made of a reader and a linked antenna  
> 1 USB cable  
> 1 Power supply (90-240V)  
> 1 Application CD

**Tablet was designed to work :**  
With any PCSC 1.0 compliant software including :  
➤ Golden Reader V 2.5  
➤ InterFest Test Software v2.0.2

**Security Instruction**  
Tablet was designed to be plugged to USB 1.0 or 2.0 host products only.

**Installation**  
Follow installation guide instructions before connecting the reader.

**Warning**  
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

**Repairs**  
Repairs should only be performed by qualified technicians only. During warranty period, the product should be returned to id3 semiconductors official distributor for repair purpose. Warranty voids if the product is not properly used or if installation instructions are not respected.

**Waste of Electric & Electronic Equipments :**  
As an Electronic Equipment, Certis should not be thrown into a waste container !  
European Directive 2002/96/EC Orders to have EEE recycled.  
In order to have this product recycled, please contact your Certis distributor.



**Keep these safety instructions**

#### EC DECLARATION OF CONFORMITY

We id3 Semiconductors  
5 rue de la Verrerie  
F-38120 Le Fontanil Cornillon  
FRANCE

Declare under sole responsibility that the 085K048 Tablet ISO14443 A/B and ISO15693 reader meets the intent of the European directives.

Compliance was demonstrated to the following specifications as listed in the Official Journal of the European Communities:

EMC Directive 89/336/EEC  
EN55022 Class B (1998)  
ETSI 301 489-3  
IEC 61000-4-2 - 1996+A1(1998)+A2(2001)  
IEC 61000-4-3 - 1996+A1(1998)+A2(2001)  
IEC 61000-4-4 -  
IEC 61000-4-5 -  
IEC 61000-4-6 -  
IEC 61000-4-11 -

Radio Directive  
ETSI 300 330-2 -  
EN50537 -

Security Directive 73/23/EEC  
IEC60950-1:2001

#### FCC COMPLIANCE

This device complies with part 15 of the FCC Rules.

Operation is subject to follow two conditions :

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct interference by one or more of the following measures:  
- Reorient or relocate the receiving antenna.  
- Increase the separation between the equipment and receiver.  
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.  
- Consult the dealer or an experienced radio/TV technician for help.

Jean-Louis Revol  
CEO

## 1.2. Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

## 1.3. Tested System Details

The FCC IDs for all equipment, plus description of all cables used in the tested system are :

Trade Mark – Model Number (Serial number)	FCC ID	Description	Cable description
ID3 – CL1356T (1) (Sn : 01068818)	TPD5K048	USB contactless reader	USB cable: shielded (2m) Antenna + Led: coaxial + 2 wires (1m) Dc input cable: unshielded (1.4m)
EGSTON N2UFSW3 12V 500mA Input 100V/240Vac	None	Power supply unit 12V / 500mA	Dc input cable : 1.4m
COMPAQ PIII DESKPRO Sn: 8146FR4Z02GN	DOC	Personnel computer (Desktop)	Power cables unshielded USB shielded SVGA shielded
HEWLETT PACKARD P/N: D2846, 21" monitor Sn: JPB4001000	DOC	Video monitor SVGA 21"	Power mains unshielded SVGA shielded with ferrites at each end
COMPAQ KB-9963 Sn: BZIAZOLBUMFOAF	DOC	Keyboard	PS2 cable
Microsoft X04-72167 sn: 9916996-5	DOC	Mouse	PS2 cable
Passport with integrated smartcard ISO 14443-2-3 (Mode A) Smartcard (Mode B)	None	Contactless paper passport and smartcard	-

(1): Equipment under test

## 1.4. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003, FCC Part 15 Subpart C.

Radiated testing was performed at an antenna to EUT distance of 10 meters (F<30MHz) and 3m (F>30MHz). During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up. Frequency band investigated was 9kHz to 2GHz.

## 1.5. Test facility

Tests have been performed on January 31<sup>st</sup> to February 3<sup>rd</sup>, 2006.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-2003 in a letter dated July 14, 2005 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.