

# Statement

## of Opinion

**N°: 05214119/AA/00**

With respect to Chapter 10 of the Telecommunications Act of The Netherlands, Telefication declares that to our opinion the listed product complies with the essential requirements, in accordance with Article 3 of the Directive 1999/5/EC, as indicated under Annex 1 of this statement.

Product description: **Wireless 802.11a/g/b USB Dongle**  
Trademark: **See Annex 3**  
Family name: **--**  
Type designation: **See Annex 3**  
Serial N°: **See Annex 3**  
Software release N°: **See Annex 3**

Manufacturer: **Senao International Co., Ltd.**  
Address: **No. 500, Fusing 3rd Rd.,  
Hwa-Ya Technical Park, Kuei-Shan Hsiang  
333 Taoyuan**  
City: **Taiwan R.O.C.**  
Country: **Taiwan R.O.C.**

This statement is granted to:

Name: **Senao International Co., Ltd.**  
Address: **No. 500, Fusing 3rd Rd.,  
Hwa-Ya Technical Park, Kuei-Shan Hsiang  
333 Taoyuan**  
City: **Taiwan R.O.C.**  
Country: **Taiwan R.O.C.**

This statement has THREE Annexes.

Zevenaar, 26 July 2005

A handwritten signature in blue ink, appearing to be "M.H. Koop", is written over a white rectangular background.

M.H. Koop  
Manager Certification



For each product to which this Statement relates (see annex 3, if applicable) our opinion with respect to the essential requirements is as follows:

### Article 3.1

- √ (a) The protection of the health and safety of the user and other person, including the objectives with respect to safety requirements contained in Directive 73/23/EEC, but with no voltage limit applying.
- √ (b) The protection requirements with respect to electromagnetic compatibility contained in Directive 89/336/EEC.

### Article 3.2

- √ The radio product shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communication and orbital resource so as to avoid harmful interference.

### Article 3.3

- N/A (a) The product shall be so constructed that it interworks via networks with other apparatus and that it can be connected to interfaces of the appropriate type throughout the Community.
- N/A (b) The product shall be so constructed that it does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service.
- N/A (c) The product shall be so constructed that it incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected.
- N/A (d) The product shall be so constructed that it supports certain features ensuring avoidance of fraud.
- N/A (e) The product shall be so constructed that it supports certain features ensuring access to emergency services.
- N/A (f) The product shall be so constructed that it supports certain features in order to facilitate its use by users with a disability.

### Opinions

- √ = Conform
- X = Not conform
- N/A = Not applicable (for this product)
- N/P = Not performed (in this type-examination)

- The validity of this Statement of Opinion is limited to products, which are equal to the examined in the type-examination.
- When the manufacturer (or holder of this statement) is placing the product on the European market, the marking of this product must contain (among other elements) the Notified Body number of Telefication: 0560

**Remarks and observations**

*The following conditions are applicable:*

- Product operates as slave.

## Documentation lodged for the type-examination

### *Testreports:*

- ADT Corp.: RE940617L13, 1 July 2005
- ADT Corp.: RM940617L13, 23 June 2005
- ADT Corp.: LD940617L13, 29 June 2005

### *Product documentation:*

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Photos
- User manual
- RF Exposure Calculation SE940617L13

## Technical standards and specifications

### *The product shows no non-compliances with:*

- EN 300 328            November 2004    V1.6.1
- EN 301 893            August 2003        V1.2.3
- EN 301 489-1        August 2002        V1.4.1
- EN 301 489-17      August 2002        V1.2.1
- EN 60950-1            2001

## Technical features and characteristics

### *The product includes the following features and characteristics:*

#### For IEEE 802.11b/g:

- Operating frequency-range: 2.4 - 2483.5 GHz (13 channels:2.412-2.472 GHz)
- Maximum (measured) RF output power: 16.2 dBm EIRP average
- Maximum antenna gain: 2 dBi
- Modulation method(s) DSSS: DBPSK/DQPSK/CCK; OFDM: BPSK/QPSK/16QAM/64QAM

#### For IEEE 802.11a:

- Operating frequency-range: 5.150 - 5.350 GHz (8 channels: 5.18 - 5.32 GHz)
- Maximum (measured) RF output power: 17.6 dBm EIRP average
- Maximum antenna gain: 0 dBi
- Modulation method(s) OFDM: BPSK/QPSK/16QAM/64QAM
  
- Operating frequency-range: 5.470 - 5.725 GHz (11 channels: 5.5 - 5.7 GHz)
- Maximum (measured) RF output power: 15.8 dBm EIRP average
- Maximum antenna gain: 0 dBi
- Modulation method(s) OFDM: BPSK/QPSK/16QAM/64QAM

### **Trademarks and type designations**

*The product as described in the Statement of Opinion includes the following type designations:*

Type designation: NUB-8301  
Trademark: SENAO  
Serial No: --  
Software release No: --

Type designation: NUB-8301  
Trademark: EnGenius  
Serial N<sup>o</sup>: --  
Software release N<sup>o</sup>: --