

recognised in accordance with the R&TTE Directive 1999/5/EC of 9th March 1999
as Notified Body for the Federal Republic of Germany, represented by



Bundesnetzagentur

EC-R&TTE CERTIFICATE

Expert Opinion

Registriernummer: **G0M20710-0178-C**
Registration No.:

ProduktHersteller: **HAL SERVICE SRL**
Manufacturer: **VIA CANTON DEI CAPI 2/A**
13017 QUARONA (VC), Italy

Bescheinigungsinhaber: **HAL SERVICE SRL**
Certificate Holder: **VIA CANTON DEI CAPI 2/A**
13017 QUARONA (VC), Italy

Produktbezeichnung: **HALPS WK4**
Product Designation:

Produktbeschreibung: **Wireless IEEE 802.11a**
Product Description:

Vorschrift(en): Radio : EN 301 893 V1.3.1 (08/2005)
Specification(s): EMC : EN 301 489-17 V1.2.1 (08/2002)
Safety : EN 60950-1:2001+A11:2004

Diese Bescheinigung ist erstellt in Übereinstimmung mit Annex IV der R&TTE Direktive 1999/5/EC vom 9. März 1999 und gilt nur in Verbindung mit den nachfolgenden - **1** - Anlagen.

This certificate is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC of 9th March, 1999 and is only valid in conjunction with the following - **1** - annexes.

The equipment is to mark with the Approval mark:

CE0681



Reichenwalde, 10. October 2007

Ort, Ausstellungsdatum
Place, Date of Issue

Unterzeichnet von/Signed by Dieter GRIEP
Benannte Stelle/ Notified Body

System description

Frequency band(s)	a: 5150 - 5250 MHz b: 5250 - 5350 MHz c: 5470 - 5725 MHz
Switching range(s)	5180 - 5320 MHz 5500 - 5700 MHz
Channels / Bandwidth	19 / 20 MHz
Transmit power	Pre-assessed radio modul(s) are used max tx power: a: 200 mW e.i.r.p. b: 200 mW e.i.r.p. c: 1 W e.i.r.p.
Type of modulation	DSSS, OFDM
Type of antenna	connector, antenna configurations are to use only according to manufacturer declaration/specifications:
Comments	<p>The recognition of approved radio module follows the R&TTE-CA guide TGN 01. These assessed radio modules must be installed in equipments <i>in conformance with the manufacturer's installation instructions</i></p> <p>In the case of radio equipment using frequency bands whose use is not harmonised throughout the Community, the manufacturer or his authorised representative established within the Community or the person responsible for placing the equipment on the market shall notify the national authority responsible in the relevant Member State for spectrum management of the intention to place such equipment on its national market. This notification shall be given no less than four weeks in advance of the start of placing on the market and shall provide information about the radio characteristics of the equipment (in particular frequency bands, channel spacing, type of modulation and RF-power) and the identification number of the notified body referred to in Annex IV or V.</p>

Technical Construction File

essential components of the technical construction file:

test report(s)

ETS.TR.07.932

EMC.TR.07.931

SAF.TR.07.933

User manual

HALPS WK4

Technical Documentation

HALPS WK4

including:

PCB Layout
Circuit diagram
Part list

Declarations:

Acc. to article 3.2 : Radio
Acc. to article 3.1b : EMC
Acc. to article 3.1a : Safety