



IEEE 802.11 b/g/n
150Mbps
Wireless USB Adaptor
Product Specifications

Model: GWF-3S4T

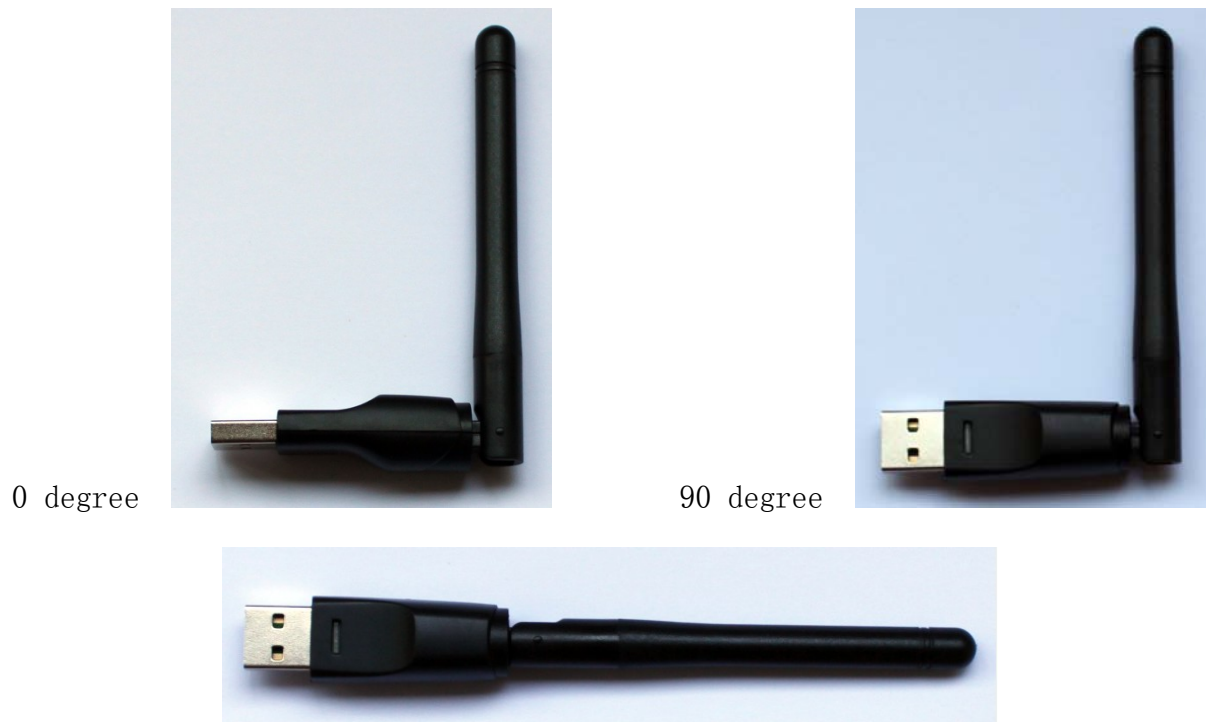
Version: 1.1

Date: 2011/12/19



1. Introduction

This mini profile WLAN adapter with rotatable antenna supporting IEEE 802.11 b/g/n standards with USB connector supporting USB 2.0 interface.



Model: GWF-3S4T

1.1 Scope:

The GWF-3S4T is a highly integrated MAC/BBP and 2.4GHz RF/PA/LNA single chip with 150Mbps PHY rate supporting. It fully complies with IEEE802.11n and IEEE802.11b/g feature rich wireless connectivity at high standards, delivers reliable, cost-effective, throughput form an extended distance. The GWF-3S4T is designed to support standard based features in the areas of security, quality of service and international regulation, giving end users the greatest performance anytime in any circumstance. The very small and compact WLAN adapter design is good for wireless connectivity when an external antenna needs.

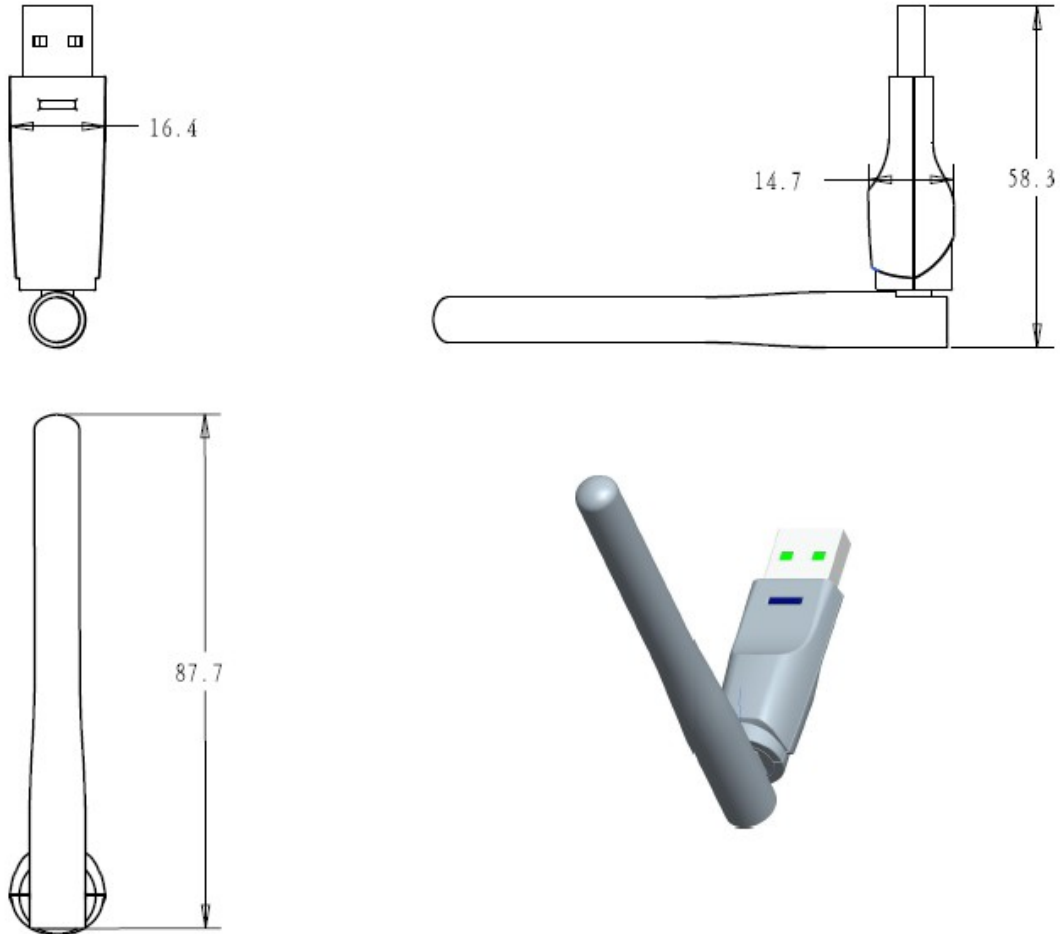
1.2 Features

- 802.11b: 1, 2, 5.5, 11Mbps;
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
- 802.11n: (20MHz) MCS0-7, Support up to 72Mbps
(40MHz) MCS0-7, Support up to 150Mbps
- OFDM, Peak rate 150Mbps, Peak throughput 90Mbps.
- Security support for 64/128 WEP, WPA, WPA2, TKIP, AES
- Operates in 2.4GHz frequency bands. Power Management



2. Product Information

2.1 Outline Information





2.2 Software and system Information

Operation System	CPU Supplier	Driver
Linux 2.4/2.6	ARM, MIPSII	Available
Windows 2000/XP/Vista/7	X86 Platform	Available
Mac OS X 10.3/10.4/10.5/10.6	N/A	Available

2.3 Agency Approval

Agency	Approval
FCC Part15	Ready to test
CE	Ready to test
RoHS	Yes

2.4 Specification Overview

Hardware	
Main Chipset	Ralink RT5370
Host interface	USB 2.0/1.1 Type A
LED	Link/ Activity
RF Performance	
Standards	IEEE802.11b/g & 802.11n (1T1R mode, 150Mbps)
Antenna	2dBi undetachable antenna
Operation Frequency	2412~2483.5 MHz (varies according to different regions).
Typical Tx Power (E.R.I.P)	802.11b (CCK)11Mbps: 19+/-1dBm; 802.11g (OFDM) 54Mbps: 16+/-1dBm
	802.11n (HT20@MCS7), 15+/-1dBm; 802.11n (HT40@MCS7),15+/-1dBm
Receive Sensitivity	802.11b: -86+/-1dBm; 802.11g: -74+/-1dBm
	802.11n (HT20), -70+/-1dBm; 802.11n (HT40), -70+/-1dBm
Software Support	
Operation System	WindowsCE/2000/XP/Vista/7; Linux 2.6.X; Mac OS X
Security	WEP 64/128bit , WPA, WPA2, 802.1x, and 802.11i,Cisco CCS Compliant
Operation conditions	
Voltage Range/Current	DC 5.0V \pm 5% / <160mA
Temperature	Operation: -10°C - 60°C; Storage:-20°C - 70°C
Humidity(Non-Condensing)	Operation: RH 95%; Storage : RH 95%
Physical Specification	
Dimensions	(Main body)16.4x14.7x58mm, details refer to the figures.
Net Weight	9.8 g



3. Disclaimer

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FCC Statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 instructions, 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 the 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 a circuit different from that to which the receiver is connected.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement set forth for an uncontrolled environment.

End users must maintain 0.5 cm distance away from the USB device and its antenna.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. SAR compliance has been established in typical laptop computer(s) with USB slot, and this product could be used in typical laptop computer(s) with USB slot. Other applications have not been verified and may not be in compliance with related RF exposure rule and such use shall be prohibited.