

RayTalk RT-CPE100SG/SGext/SH

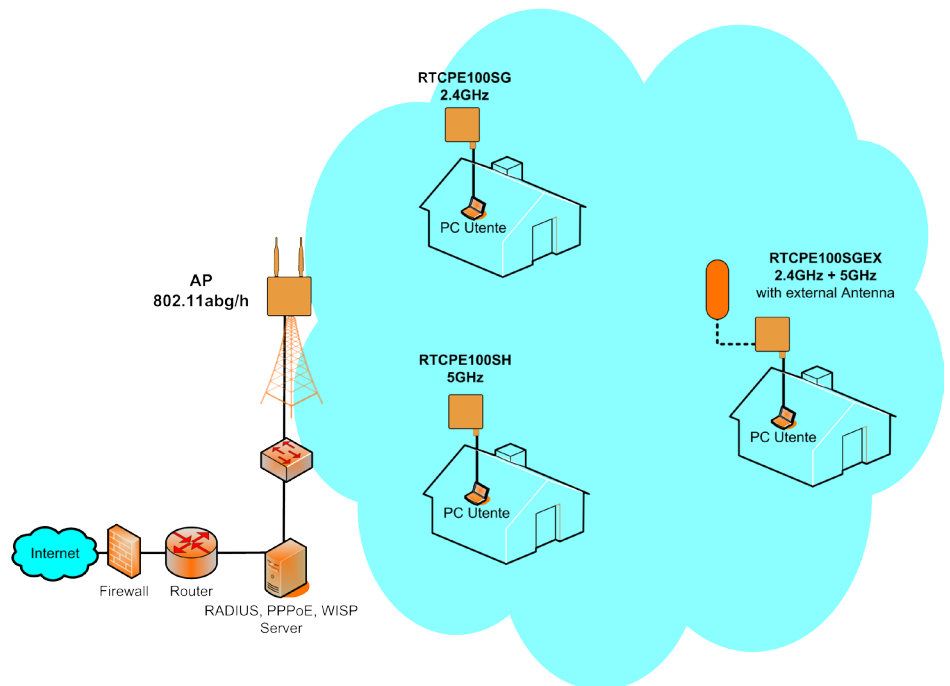
Outdoor Wireless CPE for WISP Solutions, Wi-Fi/HiperLan, 54Mbps with WISP Router or Client Bridge Operational Mode



RayTalk RT-CPE100S Caratteristiche principali

- > Modulo Radio Multistandard Wi-Fi e HiperLan
- > Standard IEEE802.11a/b/g/h
- > Antenna integrata a 2.4GHz (12dBi, H41° x E34.5°) nella versione RT-CPE100SG e RT-CPE100SGext
- > Antenna integrata a 5GHz (14dBi, H33° x E37°) nella versione RT-CPE100SH
- > Modulo radio fino a 23 dBm
- > Connettore N esterno per ulteriore antenna dedicata a 2.4GHz o a 5GHz nella versione RT-CPE100-SGext
- > Dynamic Frequency Selection (DFS)
- > Transmission Power Control
- > Bitrate fino a 54 Mbps
- > Modalità: Client Bridge (L2-Bridging) o Wisp Router (L3-NAT)
- > PPPoE Client sulla parte Wireless LAN in modalità WISP Router
- > DHCP Server o Client, Virtual Server in modalità WISP Router
- > Software integrato di Site Survey, Antenna Alignment
- > Software Watchdog, Diagnostic Tool, Syslog Viewer
- > Sicurezza WPA / WPA2 / IEEE802.11i
- > Management: SNMP v1, v2c, v3 Read Only Agent, Multiple User Privileges, Web Server/HTTPS
- > Conforme allo Standard IEEE 802.3af
- > Alimentazione con PoE (Power over Ethernet) dedicato passivo

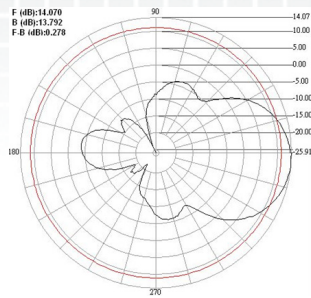
Model Name	Standard	Integrated Antenna	External Connector
RT-CPE100SG	802.11b/g	2.4GHz @ 12dBi, H41° x E34.5°	-
RT-CPE100SGext	802.11a/b/g/h	2.4GHz @ 12dBi, H41° x E34.5°	N Jack (F)
RT-CPE100SH	802.11a/h	5GHz @ 14dBi, H33° x E37°	-



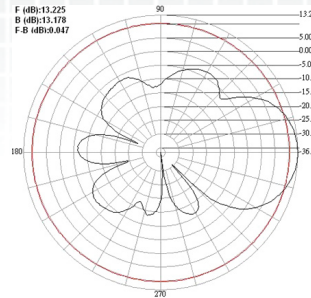
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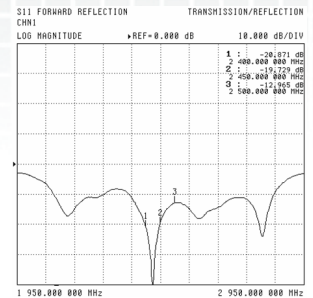
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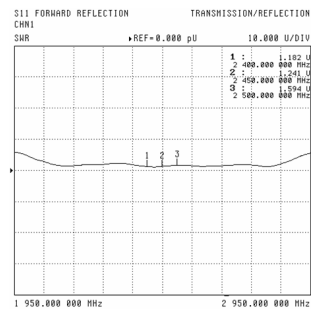
H PLANE



E PLANE

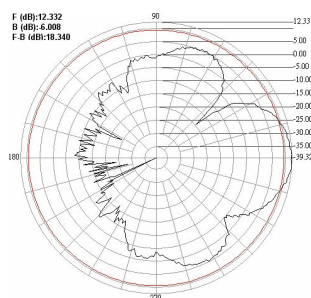


RETURN LOSS

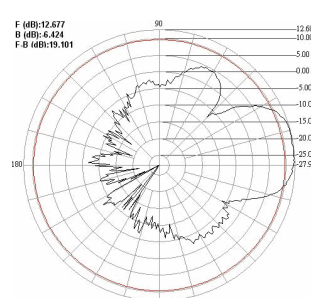


SWR

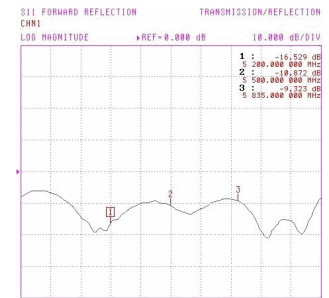
RT-CPE100SH



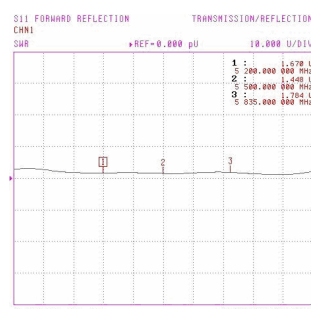
H PLANE



E PLANE



RETURN LOSS



SWR

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› Specifiche Tecniche

Wireless Features	<ul style="list-style-type: none"> › Single Radio Multistandard 802.11a/b/g/h › Dynamic Frequency Selection (DFS) › Transmit Power Control (TPC)
IEEE Standards	<ul style="list-style-type: none"> › IEEE 802.11a › IEEE 802.11b › IEEE 802.11g › IEEE 802.11d › IEEE 802.11h › IEEE 802.11i › IEEE 802.3 › IEEE 802.3u › IEEE 802.1x
Integrated Antenna	<ul style="list-style-type: none"> › 2.4 GHz antenna (RT-CPE100SG and RT-CPE100SGext) <ul style="list-style-type: none"> › Frequency Range: 2.4~2.4835GHz › Gain: 12 dBi › Polarization: Vertical › Beamwidth: H41°, E34.5° › 5 GHz antenna (RT-CPE100SH) <ul style="list-style-type: none"> › Frequency Range: 5.1~5.8GHz › Gain: 14 dBi › Polarization: Vertical › Beamwidth: H33°, E37°
Radio Module Specifications	<ul style="list-style-type: none"> › Frequency Range: <ul style="list-style-type: none"> › USA & Canada: 2.412~2.462 GHz, 5.15~5.35 GHz, 5.725~5.825 GHz › Europe: 2.412~2.472 GHz, 5.15~5.35 GHz, 5.470~5.725 GHz › Japan: 2.412~2.412 GHz, 4.9~5.00 GHz, 5.03~5.091 GHz, 5.15~5.25 GHz › Modulation Technique: <ul style="list-style-type: none"> › 802.11b: DSSS (DBSPK, DQSPK, CCK) › 802.11g: DSSS (DBSPK, DQSPK, CCK) and OFDM (BPSK, QPSK, 16-QAM, 64-QAM) › 802.11ah and HiperLAN: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) › 802.11 b/g Channels Supported: <ul style="list-style-type: none"> › US/Canada: 11, Major European Country: 13, France: 4, Japan 11b: 14, Japan › 802.11a Channels Supported: <ul style="list-style-type: none"> › US/Canada: 12 non-overlapping channels › Japan: 4 non-overlapping channels › 802.11h Channels Supported: <ul style="list-style-type: none"> › Europe: 19 non-overlapping channels › Radio Output Power: <ul style="list-style-type: none"> › 802.11b: 23dBm@1-11Mbps › 802.11g: 23dBm@6-24Mbps, 21dBm@36Mbps, 19dBm@48Mbps, 17dBm@54Mbps › 802.11a/h: 23dBm@6-24Mbps, 21dBm@36Mbps, 19dBm@48Mbps, 17dBm@54Mbps › Radio Receiver Sensitivity: <ul style="list-style-type: none"> › 802.11b: -95dBm@1Mbps, -90dBm@11Mbps › 802.11g: -92dBm@6Mbps, -73dBm@54Mbps › 802.11ah: -92dBm@6Mbps, -73dBm@54Mbps › Transfer Data Rate: <ul style="list-style-type: none"> › 802.11g: 54, 48, 36, 24, 18, 12, 9, 6, automatic fallback to 5.5, 2, 1Mbps › 802.11b: 11, 5.5, 2, 1Mbps › 802.11a: 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, 1Mbps
Wireless Client Bridge Operating Mode	<ul style="list-style-type: none"> › Network › Static or Dynamic (DHCP Client) Network Settings › Bootp Relay
WISP Router Operating Mode	<ul style="list-style-type: none"> › Lan Network <ul style="list-style-type: none"> › Static or Dynamic (DHCP Client) Network Settings › DHCP Server › Virtual Server › Wireless <ul style="list-style-type: none"> › Static or Dynamic (DHCP Client) Network Settings › PPPoE Client
Security	<ul style="list-style-type: none"> › Open System › WPA-PSK-auto › WPA-PSK-TKIP › WPA-PSK-AES › WPA2-PSK-auto › WPA2-PSK-TKIP › WPA2-PSK-AES › IEEE 802.1x

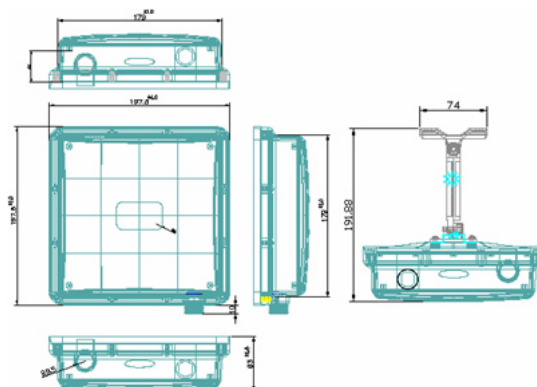
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Statistic	<ul style="list-style-type: none"> › Wireless › Wireless Statistics, Associated Access Point, Radio Information › Routes › ARP Table
Ethernet Settings	<ul style="list-style-type: none"> › 10/100 Mbps / Auto Negotiation › Full / Half Duplex › IEEE 802.3af PoE Compliant
Device Management	<ul style="list-style-type: none"> › Web Server/HTTPS with Multiple User Account Privileges › SNMP v1, v2c, v3 Agent Software
Tools and Utilities	<ul style="list-style-type: none"> › System Log › Manual or NTP Time Setting › Software Watchdog › Firmware upgrade via web interface › Device Reboot › Factory default › Configuration File Management › Wireless ACK computation tool › Site Survey › Antenna Alignment › Diagnostic Tool › Syslog Viewer
Hardware Specification	<ul style="list-style-type: none"> › CPU: Infineon ADM5120 @ 175 MHz › 4 MB flash storage › 32 MB SDRAM
External Ports	<ul style="list-style-type: none"> › 1 10/100 Mbps LAN Ethernet Port › 1 Hole (rubber protected) for Hardware Reset › 1 External antenna port with N Jack (Female) Connector (CPE100SGext model)
Environment and Safety	<ul style="list-style-type: none"> › Operating Temperature: -20° to +70° C standard typical › Storage Temperature: -30° to +80° C › Operating Humidity: 10 to +80% non-condensing › IP 67 protection
Power Supply	› Power over Ethernet (with passive Dedicated Power Adapter)
Power Consumption	› 7.5 W
Dimensions	<ul style="list-style-type: none"> › Weight: 1300 g. approx › 19.75 cm x 19.75 cm x 6.3 cm
Conformity & Standards	<ul style="list-style-type: none"> › Safety: EN 60950, EN50385 › EMC: ETSI EN 301 489-1, EN 301 489-17 › Radio Suites: ETSI EN 300 328, EN 300 893 › RoHS Compliant

› Dotazione di Serie

- › Apparato
- › Alimentatore PoE (Power over Ethernet) dedicato
- › Kit Staffe di montaggio e fissaggio per palo o parete
- › Pressacavo con molla per cavo ethernet
- › CD: Documentazione e Manuale d'Uso



Per maggiori informazioni visita www.raytalk.com

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