

WRT391-EAU CAT6 CPE specification

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Version

Version	Creat by	approval	date	Remark
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1. Product Introduction

1.1. Introduction

support Cat6/Cat12 Support f FDD-LTE, TDD-LTE and WCDMA.

The maximum downlink rate in CA mode can reach to 600 Mbps, the maximum uplink rate reach to 150 Mbps.

WiFi support dual frequency concurrency, the 2.4G+5.8G rate is 1300Mbps

support VoLTE and VoIP

1.2. General Features

TABLE1 .BAND

Item	A391-EAU-30 (CAT6)	A39-EAU-00 (CAT12)	A391-EAU-10 (CAT13)
WCDMA	Band 1/3/5/8	Band 1/3/5/6/8/19	Band 1/3/5/6/8/19
FDD-LTE	Band 1/3/5/7/8/18/19/20/28/32	Band 1/3/5/7/8/18/19/20/28/32	Band 1/3/5/7/8/18/19/20/28/32
TDD-LTE	Band38/40/41 (2535Mhz-2655Mhz) 42/43/48	Band38/40/41 (2535Mhz~2655Mhz) / 42/43/48	Band38/40/41 (2535Mhz~2655Mhz) / 42/43/48

TABLEE 2.DATA RATE

Item	A391-EAU-30 (CAT6)	A391-EAU-30 (CAT12)	A391-EAU-30 (CAT13)
WCDMA	Downlink peak rate 42Mbps	Downlink peak rate 42Mbps	Downlink peak rate 42Mbps
	Uplink peak rate 5.76Mbps	Uplink peak rate 5.76Mbps	Uplink peak rate 5.76Mbps
LTE	Downlink peak rate 300Mbps	Downlinkpeak rate 600Mbps	Downlinkpeak rate 400Mbps
	Uplink peak rate 50Mbps	Uplink peak rate150Mbps	Uplink peak rate150Mbps
	Downlink 4 x 4 MIMO	Downlink 4 x 4 MIMO	Downlink 2 x 2 MIMO

3.CELLULAR

Item	A391-EAU-30 (CAT6)	A391-EAU-00 (CAT12)	A391-EAU-10 (CAT13)
WCDMA	• 3GPP R9/DC-HSDPA/HSPA+/ HSDPA/HSUPA/WCDMA	•3GPP R9/DC-HSDPA/HSPA+/ HSDPA/HSUPA/WCDMA	•3GPP R9/DC-HSDPA/HSPA+/ HSDPA/HSUPA/WCDMA
	•3GPP R12 • Support 2DLCA • Support downlink 64QAM 、 16QAM、 QPSK • Support uplink 16QAM、 QPSK •Support RF bandwidth1.4MHz~20MHz	• 3GPP R12 • Support 3DLCA、 2ULCA • Support downlink 256QAM、 64QAM、 16QAM、 QPSK • Support uplink64QAM 、 16QAM、 QPSK • Support RF bandwidth 1.4MHz~20MHz	• 3GPP R12 • Support 3DLCA、 2ULCA • Support downlink 256QAM、 64QAM、 16QAM、 QPSK • Support uplink64QAM 、 16QAM、 QPSK • Support RF bandwidth 1.4MHz~20MHz
LTE			

1.3. Other Features

TABLE 4.OTHER FEATURES

item	Description
IC	SDX12
SDRAM	2Gb LPDDR2 + 2Gb NAND Flash
OS COMPATIBILITY	Linux/Android/Windows
POWER LEVEL	Class 3 (23.5dBm ± 2dB) for WCDMA bands
	Class 3 (23dBm ± 2dB) for LTE bands
WIFI	802.11 b/g/n/ac 2.4G+5.8G (1300Mbps)
ETHERNET PORT	RJ45 x 4, LAN 10/100/1000 auto-sensing
VOICE CHIPSET	LE9643
ADAPTER	DC Power 12V/1A
SIM SLOT	1.8v/3.3V USIM
BUTTON	
SIZE	
WEIGHT	

1.4. CA Carrier Aggregation

TABLE 5.CARRIER AGGREGATION

ITEM	A391-EAU
2CA-DL	1A-1A/3A/5A/7A/8A/18A/19A/20A/28A/32A/ 38A/40A/41A/42A 3A-3A/5A/7A/8A/20A/28A/32A/38A/40A/41A/42A 5A-7A 7A-7A/8A/20A/28A/32A 8A-40A 20A-32A 28A-40A 40A-40A 41A-41A/42A 1C 3C 5B 7C 38C 40C 41C 42C
2CA-UL	3C 5B 7C 38C 40C 42C

3CA-DL	1A-3A-5A/7A/8A/19A/20A/28A/32A/38A/40A/ 41A/42A 1A-5A-7A 1A-7A-8A/20A/28A 1A-20A-32A 1A-41A-42A 1A-7C/41C/42C 3A-3A-7A/20A 3A-5A-7A 3A-7A-7A/8A/20A/28A 3A-8A-38A 3A-28A-40A 3A-7C/40C/41C/42C 7A-20A-32A 19A-42C 28A-40C 41A-41C/42C 3C-5A/7A/8A/20A/28A/41A 7C-28A 41C-42A 40D 41D
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1.5. WIFI

TABLE 6. WIFI

STANDARD	IEEE 802. 11 b/g/n/ac
CHANNEL BANDWIDTH	20MHz,40MHz,80MHz
FREQUENT	2.4G/5.8G
TXRX	2T2R
MIMO	DL 2 x 2 MIMO
RATE	2.4g + 5.8G (1300Mbps)
ANTENNA TYPE	Internal Antenna
ANTENNA GAIN	1.5~2dBi
ACTIVE USER	64 Users

2. Software

2.1. Software

TABLE 7. SOFTWARE

LANGUAGE	English ,Chinese or others
IP PROTOCOL	IPV4/IPV6
SIM MANAGEMENT	Pin code management, SIM card lock, SIM card unplug/plug
INTERET ACCES	Automatic/Manual
LTE SCAN MODE	Full band scan, Frequency Lock
WLAN	Configuration,WPS
VPN	L2TP,PPTP
NAT	Port forwarding DMZ
FIREWALL	IP/MAC/URL Filter Access Control TCP port scan Death of Ping
NETWORK MANAGEMENT	TR069
DIAGNOSTICS	TCP Dump Trace route
STATISICS	LTE Status Connection Status System Up Device Status DHCP Client List WIFI Status Firewall Status
MAINTENANCE	Date & Time setting Restore factory settings Restore / Back up configuration file Firmware upgrade locally/OTA (over the air)

3. Product Overview

