

## PRD10564 – 3G/4G WI-FI ROUTER DATASHEET



### DESCRIPTION

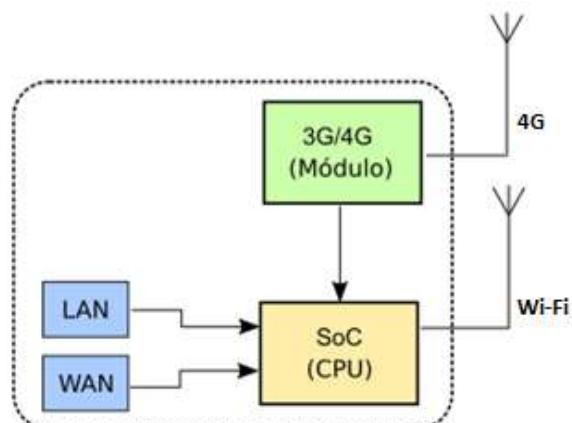
The Wi-Fi Router is a wide area local network 3G/4G wireless communication, it being designed with the most advanced technology, compliance with the IEEE 802.11b/g/n. It has WAN and LAN ports, MIMO technology and a high processing performance supporting all national cellular bands provided high speed, safe and reliable broadband service.

It was specifically designed, qualified and supported for use in automotive applications, with protection from voltage fluctuation of vehicle, can being powered with either 12 or 24V.

### FEATURES

- Chipset MT7620A (32-bit – 580MHz);
- 802.11n/g/b compliance;
- Network Accelerator 2Gbps IP4 routing, NAT;
- Memory DDR2 128MB (DDR2 256MB Max.);
- SPI flash 16MB (32MB Max.);
- 10/100 Mbps RJ45 port;
- USB2.0 Port;
- MICRO SD (TF) slot;
- SIM card slot support 3G/4G dial-up;
- Support USB port dial-up;
- Access WAN PPPoE, dynamic and static;
- Work operation as router AP;
- QOS control;
- DHCP server (LAN and WAN);
- Firewall and backup;
- WEB configuration;
- FCC and CE certification.
- Encryption (WPA, WPA2);
- LED: Power, WLAN, 3G, WAN, LAN, USB;
- Reset Button;
- Powered by 12V/24V Car/Bus power supply.

### BLOCK DIAGRAM



	By	Date	3G/4G Wi-Fi ROUTER	ACTIA Code	Index
Draw.	M. Franceschi	12/10/19		PRD10564	Rev06
Verif.	M. Franceschi	12/10/19			Page 1/4
Approv.	C. Dambroz	12/10/19			

**TECHNICAL DATA**

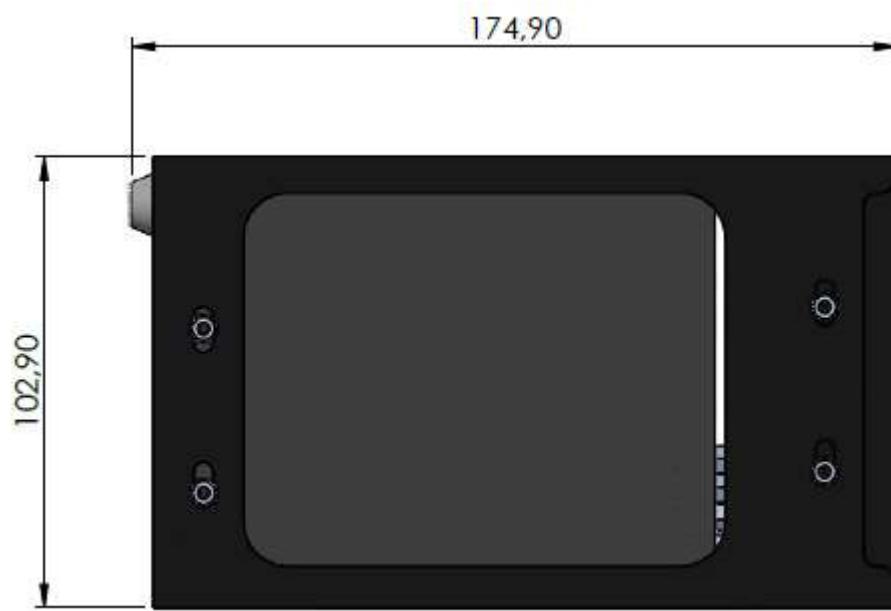
PARAMETER	RANGE	UNIT
<b>Supply voltage range (Feed should use the post key "line +15")</b>	9 up to 32	Vdc
<b>Maximum Power consumption (operation)</b>	12	W
<b>Maximum current consumption</b>	1	A
<b>Operation temperature</b>	-20 up to 60	°C
<b>Storage temperature</b>	-40 up to 70	°C
<b>Storage humidity (non-condensing)</b>	5 up to 95	%
<b>Wireless Power</b>	802.11b: 18dBm ±2dBm 802.11g: 15dBm ±2dBm 802.11n: 15dBm ±2dBm	-
<b>Reception Sensibility</b>	802.11b: -83dBm@10% 802.11g: -74dBm@10% 802.11n: -68dBm@10%	-
<b>Antenna</b>	5dBi (external antenna) x 4	-
<b>Wireless rate</b>	300Mbps	
<b>Bandwidth (configurable)</b>	20/40	MHz
<b>Frequency</b>	2.4	GHz
<b>Weight</b>	0.7	Kg
<b>Mobile standard</b>	LTE, UMTS/HSPA+, GSM/GPRS/EDGE	
<b>4G LTE</b>	B1, B2, B3, B4, B5, B7, B8, B28, B40	
<b>3G</b>	B1, B2, B5, B8	
<b>2G</b>	850, 900, 1800, 1900	

**ANATEL CERTIFICATION**

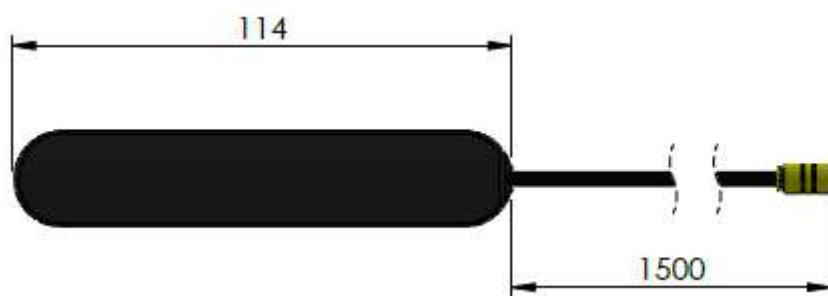
02628-17-10391

**DIMENSIONS**

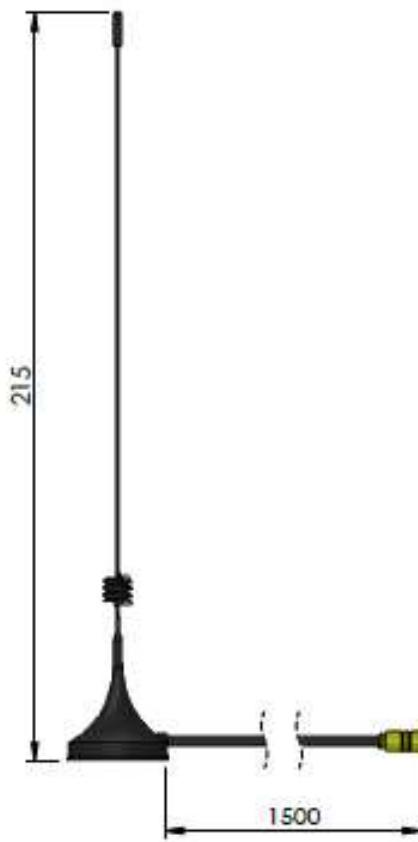
(Millimeters)

**ANTENNAS**

(Millimeter)



Wi-Fi Antenna



3G/4G Antenna

**SUPPLY CONNECTOR**

FASTIN-ON Male 2 WAYS

VCC (+)

GND (-)



Supply Connector

**REVISION HISTORY**

<b>Rev</b>	<b>Date</b>	<b>Draw</b>	<b>Description</b>
06	12/10/19	M. Franceschi	Update of mobile standards and 2G, 3G and 4G LTE frequency bands and correction of operation temperature range.
05	06/25/18	G. Fernandes	Correction in voltage information and inserted power supply connector information.