

High Power Wireless Router/AP

Model : Denali Ver1.0

Description:

Denali Ver1.0 is a wireless enterprise router AP. It has built-in Qualcomm enterprise QCA9531 CPU, large flash and high speed memory, strong data processing capability and support dual frequency concurrency, it is a reliable and flexible networking device providing security, and speed for enterprises..

Features:

1. Using Qualcomm QCA9531 cpu frequency 600Mhz
2. Large memory and large storage design to meet different needs
3. Meet the standard of IEEE 802.11n, IEEE 802.11g/b/,
4. One WAN / LAN 100M port supports POE power (24V)
5. Support PPPoE, dynamic IP, static IP and other broadband access methods
6. Support 2.0 USB interface for fast shared mobile storage network, or 4G access to it
7. Industrial grade design, the power supply and network port are support surge 4KV, and electrostatic 8KV which tested in lab
8. Hardware watchdog design, working unobstructed in a whole day
9. Support Open-Wrt system, which is convenient for customers to develop by themselves

Specification

Protocol	IEEE802.11N/G/B		
Chipset	QCA9531 ,CPU main frequency is 600Mhz		
RAM	Default DDR2:128MB		
FLASH	Default 16MB		
Wireless Speed Rate	2.4G:2T2R:300Mbps		
Working Frequency	2.4Ghz		
Interface	Supports 1 10/100M self-adaption LAN/WAN with auto flip (Auto MDI/MDIX)(24V POE) Support 1 2.0 USB Support 1 MINI PCIE (usb 2.0)usd for 4G modem Support micro SD card Support 4G mini pcie Support more GPIO application interface		
Max. Power Consumption	<15W		
Dimension	107X90X19MM(LXWXH)		
Working Environment	Working Temperature: -10 ° C to 75 ° C Storage Temperature: -40 ° C to 100 ° C Working Humidity: 10% to 90% RH does not condense Storage Humidity: 5% to 90% RH does not condense		
RF(Typical)	G	HT20	HT40
	OFDM 6M 16dB±2dB	MCS0/8 15dB±2dB	MCS0/8 14dB±2dB
	OFDM 9M 16dB±2dB	MCS1/9 15dB±2dB	MCS1/9 14dB±2dB
	OFDM 12M 16dB±2dB	MCS2/10 15dB±2dB	MCS2/10 14dB±2dB
	OFDM 18M 16dB±2dB	MCS3/11 15dB±2dB	MCS3/11 14dB±2dB
	OFDM 24M 16dB±2dB	MCS4/12 15dB±2dB	MCS4/12 14dB±2dB
	OFDM 36M 16dB±2dB	MCS5/13 15dB±2dB	MCS5/13 14dB±2dB
	OFDM 48M 16dB±2dB	MCS6/14 15dB±2dB	MCS6/14 14dB±2dB
	OFDM 54M 16dB±2dB	MCS7/15 15dB±2dB	MCS7/15 14dB±2dB
Sensitivity	G	HT20	HT40
	OFDM 6Mbps≤-89	MCS0/8≤-83	MCS0/8≤-80
	OFDM 9Mbps≤-88	MCS1/9≤-80	MCS1/9≤-77
	OFDM 12Mbps≤-85	MCS2/10≤-78	MCS2/10≤-75

	OFDM 18Mbps≤-83	MCS3/11≤-75	MCS3/11≤-72
	OFDM 24Mbps≤-80	MCS4/12≤-71	MCS4/12≤-68
	OFDM 36Mbps≤-75	MCS5/13≤-67	MCS5/13≤-64
	OFDM 48Mbps≤-71	MCS6/14≤-66	MCS6/14≤-63
	OFDM 54Mbps≤-70	MCS7/15≤-65	MCS7/15≤-62
Wireless Security	Wireless security function switch; 64/128/152 bit WEP encryption; WPA-PSK/WPA2-PSK, WPA/WPA2 security mechanism; WPS fast security settings		
Software Features	Support AP, router, relay, 4G function, etc. Support VPN security tunneling function, Support dynamic routing and static routing Convenient WEB configuration Wireless settings and encryption Support telnet management, easy to use console shell interactive environment Support multiple dialing methods: automatic allocation, specify IP, specify local peer IP, ppoe Support local software upgrade; support configuration export import, and web online update firmware Support operating system Windows XP/7/8/9/10/Linux		

Product Application:

Intelligent Transportation: 1. HD electronic bayonet application 2. HD electronic police application 3. Road wireless video

Surveillance Vehicle monitoring: 1. Bus wireless video surveillance 2. Taxi video surveillance 3. Bus video surveillance

Security monitoring: 1. Security wireless mobile detection system 2. Security wireless video surveillance

Industrial monitoring: 1. Site wireless video surveillance 2. Industrial big data transmission 3
Remote crane monitoring and management 4. Elevator remote monitoring

Financial industry: 1. Wireless ATM self-service terminal 2. Coal mine tax monitoring system 3.
Wireless POS application

Power industry: 1. Substation 3G video surveillance 2. Transformer remote monitoring
management 3. Power line video surveillance

Environmental protection industry: 1. 3G noise monitoring system 2. Wireless monitoring system
for pollution sources 3. Wireless environmental monitoring system

Water conservancy industry: 1. Reservoir remote monitoring system 2. Water environment comp
rehensive monitoring system

Other industries: 1. Municipal engineering 2. Petroleum monitoring 3. Agricultural applications 4.
Wireless WIFI applications

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

15.105 Information to the user.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

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.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The module should not be installed and operated simultaneously with other radios except additional RF exposure was evaluated for simultaneous transmission.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination.

The firmware setting is not accessible by the end user.

The final end product must be labelled in a visible area with the following:

Contains Transmitter Module **FCC ID: 2AWG9-DENALI**

IC Caution:

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour maintenir la conformité aux directives d'exposition aux radiofréquences, cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements RSS définies pour un environnement non contrôlé.

Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

Le module ne doit pas être installé et utilisé simultanément avec d'autres radios, sauf que l'exposition RF supplémentaire a été évaluée pour une transmission simultanée.

La disponibilité de certains canaux spécifiques et/ ou bandes de fréquences opérationnelles dépend du pays et est programmé en usine pour correspondre à la destination prévue.

Le paramètre du micrologiciel n'est pas accessible par l'utilisateur final.

Le produit final doit être étiqueté dans une zone visible avec les éléments suivants:

Contient le module émetteur IC: 26122-DENALI