

Ceres SOHO High-performance Wireless Router

Product Description

CR300 is a new generation SOHO high-performance wireless router launched by Shenzhen Ceres Technology Co., Ltd. (hereinafter referred to as Ceres). It is positioned in the access network market of Ethernet/fiber/xDSL access, mainly including small and micro enterprises, families network environment of high-speed Internet access.

CR300 adopts MTK chip, provides 1*100M WAN port and 4*100M LAN ports, wireless transmission rate is 300Mbps. It supports rich software functions, as a new generation of low-end flagship products, CR300 provides an ideal cost-effective product for small and micro enterprise and families.



Product Features

New hardware architecture

- Support Max 300Mbps wireless rate
- Support 802.11a/b/g/n protocol
- External 2*5dBi antenna
- The shell is beautiful and the whole machine is light

Intelligent terminal QoS policy

- The over-occupation of network bandwidth by P2P software such as BT and Thunder will affect the normal services of other users in the network. The MAC-based network traffic rate limiting mechanism can effectively control the uplink/downlink traffic of single PC and limits the excessive use of network bandwidth by P2P software
- Supports uplink and downlink QoS policy configuration to meet users flexible service configuration requirements

Comprehensive system monitoring

- Provide real-time monitoring of intranet traffic, for traffic monitoring and statistics
- Provide multiple security logs, including real-time logs for internal and external network attack, address-binding logs, traffic alarm logs, and session logs, for network administrators to monitor network in real time.
- Operation state and safety state

Green Design for Environment

- Professional green low carbon design, and the product meets the EU RoHS standards

Product Specification

Hardware Specification

Characteristic	CR300	
Dimensions	133×83×33mm	
Interface	1*10/100Base-Tx Ethernet WAN port 4*10/100Base-TxEthernet LAN port 1*DC12V power port; 1*Reset port	
Rate	300Mbps	
Antenna	External 2*5dBi high gain omnidirectional antennas	
Wireless Transmit Power	2.4GHz basic version: ◇ 11b11Mbps: 19dBm; ◇ 11g6Mbps : 21dBm; ◇ 11g54Mbps: 17dBm; ◇ 11n MCS7-HT20: 17dBm; ◇ 11n MCS7-HT40: 16dBm;	2.4GHz enhanced version: ◇ 11b11Mbps: 22dBm; ◇ 11g6Mbps : 24dBm; ◇ 11g54Mbps: 20dBm; ◇ 11n MCS7-HT20: 20dBm; ◇ 11n MCS7-HT40: 19dBm;
Receiver Sensitivity	2.4GHz basic version: ◇ 11b 1Mbps: -93 dBm; ◇ 11b11Mbps: -90dBm; ◇ 11g6Mbps: -92 dBm; ◇ 11g54Mbps: -76 dBm; ◇ 11n MCS7-HT20: -72 dBm; ◇ 11n MCS7-HT40: -69 dBm;	2.4GHz basic version: ◇ 11b 1Mbps: -96 dBm; ◇ 11b11Mbps: -93 dBm; ◇ 11g6Mbps: -95 dBm; ◇ 11g54Mbps: -78 dBm; ◇ 11n MCS7-HT20: -75 dBm; ◇ 11n MCS7-HT40: -72 dBm;
CPU	MTK	
Memory	64MB RAM	
Flash	4MB	
Power supply	DC input, 12V/0.5A	
Operating Temperature	-10~50°C	
Storage Temperature	-40~85°C	
Operating Humidity	5~95% (non condensation)	
Consumption	<5W	
Certification	CE, ROHS	

Software Specification

Characteristic	CR300
Network protocol	PPPoE DHCP client DHCP server
Internet mode	PPPoE Static IP DHCP

Wireless	2.4G Support national channel selection Signal strength selection WI-FI timing function
System service	Port Mapping DMZ host Remote WEB Telnet server DDNS
Security	IP filter MAC filter URL filter Port filter
Time synchronization	Time zone selection NTP client Can add candidate NTP server
Management	Setup Wizard for quick and easy configuration Management password modification Route restart, restore factory Firmware upgrade (retain the original configuration)
System log	System log

Ordering Information

Product Model	Product Description
CR300 Basic Version	1*10/100Base-Tx Ethernet WAN port, 4*10/100Base-Tx Ethernet LAN port, external 2*5dBi antenna, support 802.11a/b/g/n protocol, max wireless rate 300Mbps, MTK chip, 12VDC power supply
CR300 Enhanced Version	1*10/100Base-Tx Ethernet WAN port, 4*10/100Base-Tx Ethernet LAN port, external 2*5dBi antenna, built-in 2.4G PA, support 802.11a/b/g/n protocol, max wireless rate 300Mbps, MTK chip, 12VDC power supply