C420

300Mbps CAT4 4G Router

Overview

The Cat4 Indoor CPE C420 is a wireless router, which support 2.4G Wi-Fi, providing high-speeding and stable LTE Cat4 network for users at home or in office. The product adopts ASR1803 cellular solution, which confirms to 3GPP Release10 standard.

Features

- Data service
- SMS
- Security service
- Local and OTA maintenance management function

Specification

Hardware Performance	
Chipset	ASR1803L@Cortex-A7, 22nm LTE/WCDMA HSPA+/EDGE RTL8192ES
LTE	3GPP Release 10 CAT4
Band Support	LTE: B1/3/5/7/8/20/38/40/41 HSPA+/HSPA/WCDMA: B1/5/8 EDGE/GPRS/GSM:B3/5/8
Interface	2x FE RJ45, 1x FXS, 1x Nano(4FF) Sim Slot
LED	1x Power,1x Mode,1x Signal Strength,1x Wi-Fi,1x LAN
Button	1x Power, 1x WPS, 1x Reset
Antenna	External LTE/UMTS/GSM primary antenna External LTE/UMTS secondary antenna Built-in WLAN 2.4G 3.5dBi antenna

Maximum TX power	LTE	Conform to 3GPP Power Class 3	
	WLAN	2.4G	802.11b: 17dBm
			802.11g: 15dBm
			802.11n: 14dBm
RX sensitivity	LTE	Conform to 3GPP Definition	
	UMTS	Conform to 3GPP Definition	

	GSM	-104dBm
	WLAN	802.11b: -81dBm@11M
		802.11g: -72dBm@54M
		802.11n: -64dBm@MSC7
Power consumption	Max 7W	
USB power supply	Input 5V/2A	
Dimensions	147.7*130*24.8mm	
Case material	PC,ABS	
Temperature	Working temperature: 0℃ to 40℃ Storage temperature:　0℃ to 40℃	
Humidity	5%-95%（Non-condensing)	
Gain	LTE/UMTS/GSM Primary: about 3.5dBi LTE/UMTS/GSM Secondary: about 3.5dBi WIFI 1: 3.0dBi WIFI 2: 3.5dBi	
Efficiency	LTE/UMTS/GSM Primary: about -2dBi LTE/UMTS/GSM Secondary: about -2dBi WIFI 1: -0.6dBi WIFI 2: -2dBi	
Polarization	LTE/UMTS/GSM: Linear WIFI: Linear	
Cellular Wireless Network	Network Search	Supports automatic or manual network search, the default is automatic
	Connection Management	Supports automatic and manual connection to the cellular network
	Network Mode	Supports various network mode Auto LTE only WCDMA only
	Profile Management	Auto mode, set the profile information required for Internet access according to the SIM card automatically, avoid cumbersome operations for users Profile name APN name User name User password

		Authentication type, auto/pap/chap IP type, ipv4/6
Router	Traffic statistics	Supports traffic statistics, including Download, upload and total traffic and duration since the equipment is powered up Sum of download, upload and total traffic and duration since historical statistics were cleared You can manually clear historical statistics
Wi-Fi	Wi-Fi settings	SSID/Key Channel selection, auto or manual Various security mode and algorithms Disable WEP (wired equivalent protocol) WPA2 personal (Wi-Fi Protected Access 2 Personal), AES or TKIP WPA2/WPA mixed mode (Wi-Fi Protected Access 2 Personal/Wi-Fi Protected Access Personal), AES or TKIP Enable/disable SSID broadcast max number of users up to 32 Enable/disable Wi-Fi
	WPS	Wi-Fi Protected Setup (WPS) is a latest standard published by the Wi-Fi Alliance with the aim of simplifying the configuration process to establish a secure wireless home network. The device Supports two WPS methods PBC (Push Button Configuration), in which user simply has to push a actual button or virtual one on web UI PIN (Personal Information Number), in which a PIN is entered into device through Web UI
	MAC Address Authentication	Support the following MAC address authentication method White list Black list
Router	The device works as a route, supports Default gateway address: 192.168.8.1	

	Standard protocol such as ARP, ICMP, IPv4, IPv6, etc. NAT, translate a public IP address to a private IP address and vice versa	
	DHCP server	DHCP server dynamically allocate IP address to client devices Enable/disable DHCP server Configures DHCP server address pool Lease time, default as 86400 seconds
	DNS relay	Supports DNS relay for client devices Auto mode, use DNS servers from WAN Manual mode, set primary DNS and secondary DNS manually
Basic Status	Users can view the following basic device information on web UI SIM status, Signal strength, roaming status Operator name Data transmission indication Network access technology Network Status WAN IP DNS Wi-Fi Status The number of devices connected to MiFi and their details, including name, IP, MAC, etc.	
Phone Book	Supports contact group management Add group Delete group(s), batch operation is supported View and modify existing group information Supports search	
	Supports contact management Add contact Delete contact(s), batch operation is supported Move contact(s) to group, batch operation is supported Import contact from SIM card Supports search View contacts list, Supports pagination display Modify existing contact information, including name, number, group, etc. Select one or more contacts and send them a text message	

SMS	Supports SMS (short message service) related functions
	Inbox, outbox, and draft management
	View list of messages, Supports pagination display
	and detail of messages, including number, content, date, etc.
	Edit, save, delete, and modify SMS
	Sending short message to one or more contacts
	Receives short message, new and unread message alerts
	Replay and forward message
	Supports various data coding scheme, GSM 7-bit and UCS
	Supports normal message, up to 160 ASCII characters or 70 UCS2 characters
	Supports long message (concatenated short messages), up to 612 ASCII characters or 268 UCS2 characters
	Supports flash message
Security	The device supports the following security functions.
	IP Filter
	Port Filter
	URL Filter
	Port forward
	DMZ
	UPnP
	DDNS
Firmware Update	FOTA	Provide complete FOTA solution
		Detect new firmware information on FOTA server manually/automatically, including version, size, release date, and release note, etc.
		Download new firmware from the server and update the device
		The server initiates a firmware update for the specified device
	Local Update	Users can also upload firmware and update it through the Web UI
SIM Management	Supports PIN of SIM Card, including
	Enable/disable PIN
	Change PIN
	Verify PIN
	Reset Pin by PUK

Customization Functions	Web UI
	SIM Lock
	APN (Profile)
	Trusted boot
	USSD
	Domain name

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