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	
	LTE: B1/3/5/7/8/20/38/40/41	
Band Support	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
DV consistivity	LTE	Conform to 3GPP Definition	
RX sensitivity	UMTS	Conform to 3GPP Definition	

	GSM	-104dBr	m
	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		
Tomoroustino	Working temp	perature:	0°C to 40°C
Temperature	Storage temperature: 0°C to 40°C		
Humidity	5%-95% (Noi	n-conden	sing)
	LTE/UMTS/GS	SM Primar	y: about 3.5dBi
Gain	LTE/UMTS/GS	SM Secon	dary: about 3.5dBi
Gain	WIFI 1: 3.0dBi		
	WIFI 2: 3.5dBi		
	LTE/UMTS/GS	SM Primar	y: about -2dBi
Efficiency	LTE/UMTS/GSM Secondary: about -2dBi		
Efficiency	WIFI 1: -0.6dBi		
	WIFI 2: -2dBi		
Polarization	LTE/UMTS/GSM: Linear WIFI: Linear		
Folarization			
	Network		Supports automatic or manual network search, the
	Search		default is automatic
	Connection		Supports automatic and manual connection to the
	Management		cellular network
			Supports various network mode
	Network Mode		Auto
Cellular Wireless			LTE only
Network			WCDMA only
Network			Auto mode, set the profile information required for
			Internet access according to the SIM card
	Profile Management		automatically, avoid cumbersome operations for users
			Profile name
			APN name
			User name
			User password

		Authentication type, auto/pap/chap	
		IP type, ipv4/6	
		Supports traffic statistics, including	
		Download, upload and total traffic and duration since	
	Traffic statistics	the equipment is powered up	
	Traffic Statistics	Sum of download, upload and total traffic and	
		duration since historical statistics were cleared	
		You can manually clear historical statistics	
		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),	
	Wi-Fi settings	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	
Wi-Fi	WPS	Wi-Fi Protected Setup (WPS) is a latest standard	
VVI-11		published by the Wi-Fi Alliance with the aim of	
		simplifying the configuration process to establish a	
		secure wireless home network.	
		The adentice Course outs to us M/DC months ade	
		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	
	MAC Address	entered into device through Web UI	
	Authentication	Support the following MAC address authentication method	
	, ad ici ideadoli	White list	
		Black list	
	The device works as a		
Router	The device works as a route, supports Default gateway address: 192 168 8 1		
Default gateway address: 192.168.8.1			

	Standard protocol suc	ch 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	
	Users can view the fo	llowing basic device information on web UI	
	SIM status, Signal stre	ength, roaming status	
	Operator name		
	Data transmission inc	lication	
Davis	Network access techn	nology	
Basic	Network Status		
Status	WAN IP		
	DNS		
	Wi-Fi Status		
	The number of devices connected to MiFi and their details, including name,		
	IP, MAC, etc.		
	Supports contact gro	up management	
	Add group		
	Delete group(s), batch operation is supported		
	View and modify existing group information		
	Supports search		
Phone	Supports contact mai	nagement	
Book	Add contact		
Book	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 various data coding scheme, GSM 7-bit and UCS Supports long message (concatenated short messages), up to 612 ASCII characters or 70 UCS2 characters Supports florg 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 UPPP DDNS 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 Update SIM Management Supports PIN of SIM Card, including Enable/disable PIN Change PIN Verify PIN Reset Pin by PUK				
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 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 Supports PIN of SIM Card, including Enable/disable PIN Change PIN Verify PIN	SMS	Supports SMS (short message service) related functions		
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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 (concatenated short messages), up to 612 ASCII characters or 268 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 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 update for the specified device Local Update Local Update Supports PIN of SIM Card, including Enable/disable PIN Change PIN Verify PIN		View list of messages, Supports pagination display		
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SIM Management Supports PIN of SIM Card, including Enable/disable PIN Change PIN Verify PIN		Local	Users can also upload firmware and update it through	
Enable/disable PIN Change PIN Verify PIN		Update	the Web UI	
Change PIN Verify PIN	SIM Management	Supports PIN of SIM Card, including		
Verify PIN				
Reset Pin by PUK		Verify PIN		
		Reset Pin by PUK		

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

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