

Celcom Broadband Wireless Gateway Specification



Item	Description	
Hardware Specifications		
Technical standard	WAN: HSDPA/ WCDMA/ EDGE/ GPRS/ GSM	
	LAN: IEEE 802.3/802.3u	
	WLAN: IEEE 802.11b/g	
Working frequency band	HSDPA WCDMA EDGE GPRS	<u>GSM/GPRS</u> <ul style="list-style-type: none"> 850MHz: 824 – 849 MHz/869 – 894 MHz 900MHz: 880 – 915 MHz/925 – 960 MHz 1800MHz: 1710 – 1785 MHz/1805 – 1880 MHz
		<u>GSM/GPRS/EDGE</u> <ul style="list-style-type: none"> 1900M: 1850 – 1910 MHz/1930 – 1990 MHz
		<u>HSDPA/WCDMA</u> <ul style="list-style-type: none"> 2100M: 1920 – 1980 MHz/2110 – 2170 MHz
	WLAN	2.401 – 2.495 GHz
External interface	<ul style="list-style-type: none"> Two LAN interfaces (RJ45): 10/100Base-TX One telephone interface (RJ11) Power supply interface 	
	LED indicator	<ul style="list-style-type: none"> One power supply indicator One WLAN indicator One indicator for signal strength

		<ul style="list-style-type: none"> • One indicator for network mode • Two Ethernet Interfaces, One LINK/ACTIVE indicator for each Ethernet Interface
Maximum transmit power	WCDMA	≥24 dBm (+1/-3)
	GSM	850/900, 33 dBm(+2/-2) 1800/1900, 30 dBm(+2/-2)
	WLAN	802.11g: 16 dBm 802.11b: 18 dBm
Power consumption	<9 W	
AC/DC power supply	AC: 90 V – 264 V DC: 5 V, 2 A	
Dimensions (W×D×H)	155 mm × 115 mm × 28 mm	
Data service	HSDPA:	DL 7.2 Mbps UL 384 kbps
	WCDMA PS:	DL 384 kbps UL 384 kbps
	WCDMA CS:	DL 64 kbps UL 64 kbps
	EDGE:	DL 236.8 kbps UL 236.8 kbps
	GPRS:	DL 85.6 kbps UL 85.6 kbps
	GSM CS:	DL 14.4 kbps UL 14.4 kbps
	WLAN:	54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 bps, 12 Mbps, 9 Mbps, and 6 Mbps, 11 Mbit/s, 5.5 Mbit/s, 2 Mbit/s, and 1 Mbit/
	802.11g:	11 Mbps, 5.5 Mbps, 2 Mbps, and 1 Mbps
	802.11b:	

Software Specifications

Gateway	Router	<ul style="list-style-type: none"> • Supports static routing • Supports the default routing (the routing address is 0.0.0.0). You can set the WAN connection to the default routing to generate default routing table items • Supports the hybrid mode of bridging and routing
		Supports ARP
		Supports ICMP
		Supports DNS Relay
		NAT

		(PPTP and L2TP)
	DHCP Server:	<ul style="list-style-type: none"> • The default IP addresses of the DHCP server is from 192.168.1.100 to 192.168.1.200. • The default gateway address is 192.168.1.1. • The default DHCP lease is 24 hours. • The DHCP Server can be enabled or disabled. • The address pool of the DHCP server can be configured. • The lease can be configured. • The IP address status can be displayed, such as the host name, MAC address, IP address, and remaining lease.
WLAN	Authentication	<ul style="list-style-type: none"> • Open System authentication • Shared Key authentication
	ASCII	<ul style="list-style-type: none"> • 64/128/digit WEP encryption • WPA-PSK:TKIP、AES and TKIP+AES • WPA2-PSK:TKIP、AES and TKIP+AES
	MAC address authentication	<ul style="list-style-type: none"> • White list • Black list • The preceding two lists cannot coexist • Up to 16 MAC address items