

WLCM101WL

ZISA DOCSIS®3.0



D3.0 8x4 N300 WLCM

Description

The CMM1.2U23W-4 is an 8x4 DOCSIS®3.0 wireless residential gateway. It's a high-performance home gateway that combines a cable modem, 4 Giga Ethernet ports, and 802.11n wireless access point in a single device providing a cost-effective internet solution for both home and small office. It provides a fast connection to the internet by incorporating 8 bonded downstream channels along with 4 bonded upstream channels. These bonded channels deliver downstream data rates in excess of 340Mbps and upstream data rates in excess of 120Mbps.

It is designed to meet DOCSIS®3.0 as well as offering backward compatibility for operation in DOCSIS®2.0, 1.1 and 1.0.

Parameter	Specification		
System Specification			
Chipset Solution	DoCSIS® Soc: BCM3383G		
	Switch: BCM53124S		
	Wi-Fi: BCM43217T		
Memory	RAM: 128MB DDR3		
	Flash: 4MB Nor Flash		
DoCSIS®	Version 3.0, 2.0, 1.1, 1.0		
	Maximum 8x4 channel bonding		
	1 x RF 75ohm F-type connector		
Channel Bonding	8x4		
Ethernet	4 x 10/100/1000BASE-T, RJ-45 standard Ethernet ports		
Wi-Fi	802.11n MIMO 2x2, 2.4GHz single band, external 5dbi antenna		
	Up to 300Mbps access capacity		
	Maximum 8 SSIDs		
LED Indicators	POWER, DS, US, ONLINE, LAN1-4, WLAN, WPS		
Parameter	Specification		
DOCSIS Feature	ITEM	Downstream(Receiver)	Upstream (Transmitter)
Frequency Range	88MHz ~ 1002MHz	5MHz ~42MHz	
Channel Bandwidth	6MHz	200K, 400K, 800K, 1.6M, 3.2MHz, 6.4MHz	
Capture Bandwidth	Full band capture	Full band capture	
Modulation	64QAM/256QAM	A-TDMA:	
		QPSK, 8, 16, 32, 64QAM	
		S-CMDA:	
		QPSK, 8, 16, 32, 64, 128QAM	
Symbol Rate	6.952Msymbols/sec	160, 320, 640, 1280, 2560, 5120K symbols/sec	
Bits per Symbol	64QAM: 6 bits	QPSK-2b,8QAM-3b,	
	256QAM: 8 bits	16QAM-4b,32QAM-5b, 64QAM-6b,128QAM-7b	
Data Rate	30.36Mbits/sec(64QAM)	0.32 ~ 10.24Mbps (QPSK)	
	42.88Mbits/sec(256QAM)	0.64~20.48Mbps(16QAM)	
		0.96~30.72Mbps(64QAM)	
Output Power		+8dBmV~+61dBmV(QPSK)	
(A-TDMA mode)		+8dBmV ~ +58dBmV(8QAM)	
		+8dBmV ~ +58dBmV(16QAM)	
		+8dBmV ~ +57dBmV(32QAM)	
		+8dBmV ~ +57dBmV(64QAM)	
Output Power		+8dBmV ~ +56dBmV(QPSK)	
(S-CDMA mode)		+8dBmV ~ +56dBmV(8QAM)	
		+8dBmV ~ +56dBmV(16QAM)	
		+8dBmV ~ +56dBmV(32QAM)	
		+8dBmV ~ +56dBmV(64QAM)	
		+8dBmV ~+56dBmV(128QAM)	
Output Power		+8dBmV ~ +61dBmV(QPSK)	
		+8dBmV ~ +56dBmV(16QAM)	
Input Power	+15dBmV ~ -15dBmV(64QAM)		
	+15dBmV ~ -		
	15dBmV(256QAM)		
Parameter	Specification		
Firmware			
Management	Web based GUI Configuration and Management		
	CMTS configure /FTP/TFTP Firmware upgrade		
	SNMP management (MIB)		
	Telnet/SSH management		
	Management Access Control for LAN/WAN sides		
Security	Prevent port scanning, Denial of Service (DOS) , LAND attack		
	IP/ MAC filtering, Application filtering, URL filter		
	Baseline Privacy Plus Interface(BPI) security mechanism		
Environmental			
Power	Input:	100V - 240V AC, 50/60Hz	
	Output:	DC 12V/1.5A	
Operate	Temperature:	0°C - 40°C (32°F - 104°F)	
	Humidity:	10% - 95%, non-condensing	
Storage	Temperature:	-40°C - 70°C (-40°F - 158°F)	
	Humidity:	5% - 95%, non-condensing	
Surge Protection	RF:	4KV default (can be enhanced)	
	RJ45:	4KV default (can be enhanced)	
	PSU:	2.5KV default (can be enhanced)	
Physical Dimension			
Physical Dimension	224x153x50 mm		

Solution

