


MaxComm

Module Counter Specificationon			
Revision Number : V1.2			
Category	Feature & specification	Description	Customer Comments
Basical Information	Model Name	WR-112	
	Form Factor	CPE	
	Dimension	170mm*155mm*25mm	
	Weight	TBD	
	Color	White	
	Launch time(PP)	Already	
ID&MD Model			
Air Interface	Technical Standard	Compatible with WCDMA, FDD-LTE 802.11 b/g/n	
	Frequency	· LTE Band IV: 3GPP Rel. 8 Category 4 LTE FDD mode- whose operating frequency is 1710-1725 MHZ in the Uplink and 2110-2125 MHZ in the Downlink · 3G Band VIII of 900 MHZ whose mandatory frequency is 910-915 MHZ Uplink, 955-960 MHZ Downlink · 3G: BAND II from 1900 whose mandatory frequency is 1850-1910 MHZ for the Uplink and 1930 - 1990 MHZ for the Downlink DC-HSPA + / HSPA + / HSPA / UMTS WLAN IEEE 802.11b / g / n 11 channels in the 2.4GHZ band GSM Band II / V / VIII (optional) EDGE / GPRS / GSM: 850/900 / 1900Mhz (optional)	
	WIFI	RTL 8192, 2.4GHz, WIFI 2*2 MIMO, 802.11 b/g/n, • IEEE 802.11 b, g, n • WIFI Bandwidth 300 Mbps (IEEE 802.11 n) • WIFI Bandwidth 54 Mbps (IEEE 802.11 g) • WIFI Bandwidth 11 Mbps (IEEE 802.11 b) Encryption: • AES, TKIP + AES Security Mode: • WPA2.0 PSK • WPA1.0 / WPA2.0 PSK • Open • 2 SSID broadcast --only one SSID for Wi-Fi 2.4G by default, can be customized • Connectivity 16 simultaneous devices	
Performance	Maximum Data Throughput	LTE Download speed or Downlink: 150 Mbps Upload Speed or Uplink: 50 Mbps Duplexing mode: FDD (Frequency Division Multiplexing) 3G DC-HSPA +: Downlink 42 Mbps, Uplink 5.76 Mbps HSPA +: Downlink 21 Mbps (64QAM) / 28 Mbps (MIMO), Uplink 5.76 Mbps HSPA: Downlink 14.4 Mbps, Uplink 5.76 Mbps Technology: UMTS / HSPA / HSPA +	Theoretical peak rates
	Receive Diversity	Support Receive Diversity	
	MIMO	Support DL 2x2 MIMO	
	BB Chipset	Qualcomm MDM9207	
	RF Chipset	Qualcomm WTR2965	
	WiFi Chipset	RTL8192(802.11b/g/n)	
	Memory	4Gb+2Gb	
	power consumption	18W	
	Power Voltage	• Alternate AC Type = 100 to 240 VAC sensitive. Power cord with plug that complies with the standard used in Paraguay. C (CEE 7/16), or A (NEMA 1-15 USA 2 pins without ground pin). Maximum DC voltage for adapters: 5-12V / 1-1.5A. Battery solutions are also accepted --Adapter is 12V/1A , not support battery.	

Hardware	USIM/SIM	2FF SIM card support SIM/USIM/UIM,standard 6 PIN SIM card interface, support 3V SIM card and 1.8V SIM card;internal push-push SIM slot	
	LED	Power Indication LED, WAN Signal Strength, WiFi/WPS Indication LED, WAN/LAN Status LED, Internet Status LED,	
	Internal LTE antenna	3 dBi at 1700 / 2100MHz frequency (AWS) Efficiency> 45%	
	External LTE antenna	• It must provide two or more external antennas with a minimum gain of 2 dBi each. In case the equipment supports more than two antennas, you must provide all antennas for each equipment. • Efficiency> 40%	
	WiFi Antenna	Built-in WIFI antenna Gain 2 dBi Efficiency> 50%	
	Maximum Transmission Power for WIFI	• 18dBm in 11Mb/s • 14dBm(Max) en 11g mode • 14dBm in 72.2Mb/s	
	Maximum Transmission Power Cellular network	LTE, 3G conforming to 3GPP Power class 3 standard	
	Cellular Network Sensitivity	LTE, 3G compliant with 3GPP standard	
	Buttons	POWER · Reset,WPS	
	Slic	SI32185	
	Ethernet	4 WAN/LAN 10BaseT/100Base/1000Base automatic adaptive port auto-negotiation RJ45 ports IEEE 802.3 / 802.3u Allow connection mode PPPoE + Dynamic IP, Dynamic IP, Static IP, WAN	
	RJ11	RJ11x1	
	Reset	Pinhole	
	ESD	ESD Protection circuit: Contact±8KV、Air±10KV	
	Battery	Not Support	
Software	SW Update	TR069 &FOTA&Local Update	Please check the TR069 sheet for details
	WIFI Mode	AP+STA	
	WIFI Security	OPEN & WPA-PSK& WPA2-PSK & WPA-PSK/WPA2-PSK;	
	SMS & Phone Book	Not Support by default, can be customized	
	USB Function	Support	
	Voice	VoLTE & CS Domain voice & VOIP · It must support the Telephony service with VoIP technology CS over UMTS / GSM networks (optional) One RJ11 port for telephone -You must have pre-configured the proxy server address, proxy port, Registry server address, Registry server port, Domain name of the SIP server. -SIP voice services • G.711a/G.711u/G.729 • CS voice services sobre UMTS/GSM networks (opcional) • CSFB (opcional)	
	IPv4	Support IPv4	
	IPv6	Support IPv6	
		Protocol Operation: • -TCP, UDP, ICMP • - DHCP Client / Server • - DNS Proxy.-not support Dynamic DNS • - DNS Relay or DNS Proxy • - UPnP, IPv6 / IPv4 dual stack • - VPN Passthrough	
	Firewall	• Firewall Switch, Mac Filtering, LAN IP Filter, Special Applications, Settings, Port forwarding, DMZ, SIP ALG settings, UPnP settings, NAT settings, Domain name filtering, DDNS, triggering. PIN code management. --not support Special Applications, DDNS, triggering. Support SIP ALG and UPnP	
	Administration and Configuration	• With configuration software and interfaces through the computer. • Friendly Web Browser. Monitoring system. • Diagnosis, Configuration and visualization via web browser. Supported Operating Systems: Windows XP, Windows Vista, Windows 7, Win 8, Win 10, Linux, Mac OS and later. Setup menu English TR069 Support	
	Application for administration from a cell phone	View signal strength and status. See the data traffic used and the SMS sent. Manage connected devices. Change SSID and password. --not support management APP for cell phone, only support web GUI.	
Certification		Depends on customization, cost related	
Work Environment (minimum ranges)	Operating Temperature	Normal: 0 ° to 40 °	
	Storage Temperature	-20 ° to + 55 °	
	Humidity	5% to 95%	
Training	• It should include: configuration, programming, testing, firmware upload and equipment operation.		
Warranty	•365 days		