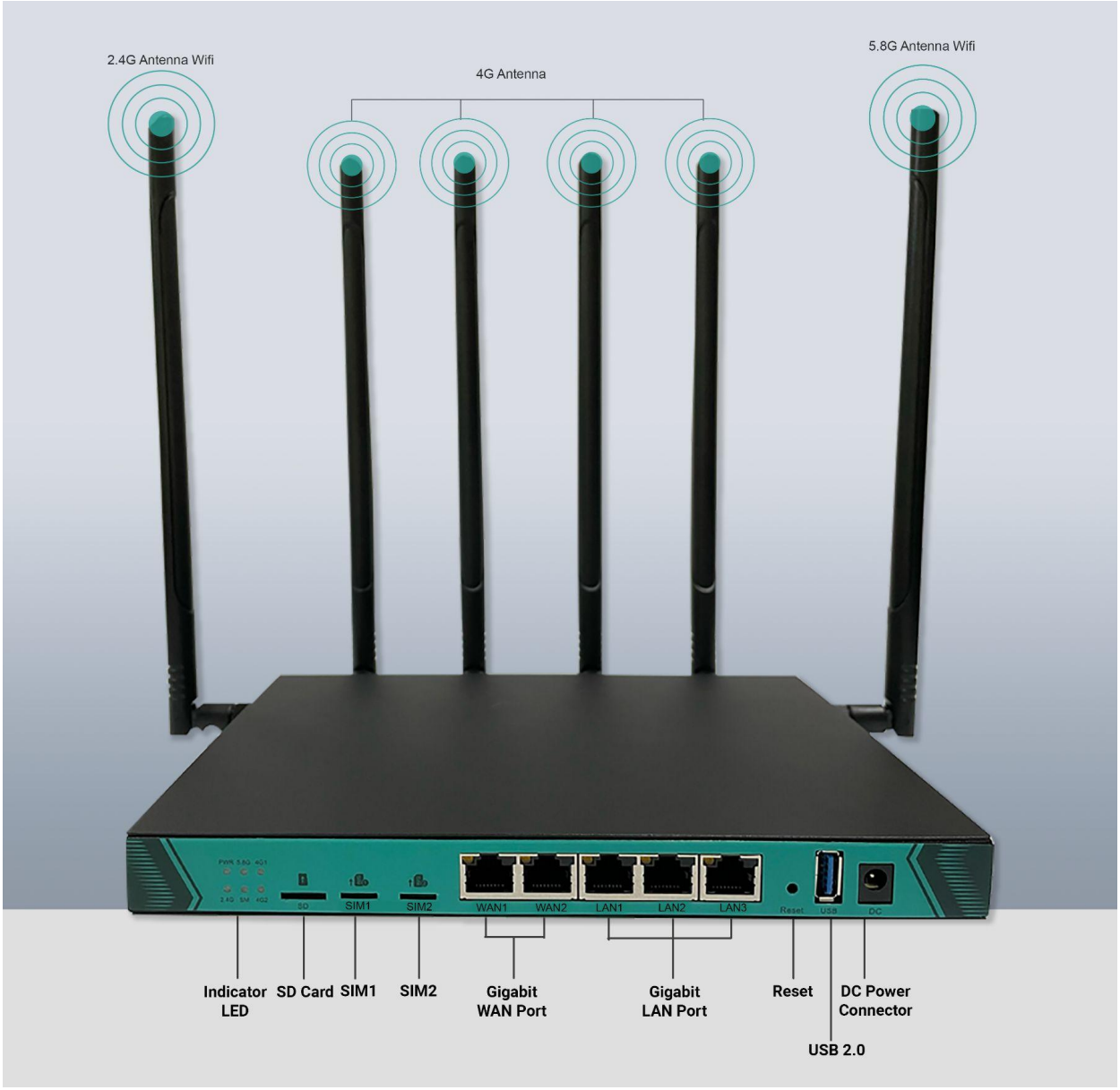
WFA

Feature Listing



1 Ethernet

	WFA Software Features
WAN	Aggregation: • 2 X WAN as Group 1 • 2 X SIM as Group 2 • Failover between WAN to SIM (Group 1 to Group 2) • Fallback from SIM to WAN (Group 2 to Group 1) With multiple algorithms: (Least Used/ Fastest Response/Round Robin/ Overflow)
LAN	3 x LAN ports (Bridge Mode)

2 Wifi

	WFA Software Features
Wireless mode	Dual Band (2.4Ghz and 5Ghz) 802.11b/g/n/a/ac with data transmission rates up to 300 Mbps on 2.4Ghz and upto 833 Mbps on 5Ghz
WiFi security	WPA2-Enterprise-PEAP, WPA2-PSK, WPA-PSK
WIFI Scanner	To identify external WIFI SSIDs, Band & Signal Strength
Accessories and package	Power adapter 12V /2A * 1PCS Cat5e cable * 1PCS Product Manual * 1PCS

Protocol	IEEE802.11n/g/b/a/ac IEEE802.3/802.3u/802.3ab
Power supply	DC 12V/2A
Max Power Consumption	≤20W
Size（L*W*H）	165MM * 235MM * 23MM (case size)
Gross Weight	1.358 Kg
Net Weight	1.095 Kg

3 Network

	WFA Software Features
NAT	NAT available
WAN Connection Types	Static / PPPoE / DHCP /4G LTE
DHCP	DHCP Server, Static and dynamic IP allocation
QoS	1. User wise Rate limit and application QoS and Priority
	2. Priority Over other user
	3. Application wise QoS
	4. Application wise Priority

4 Security

	WFA Software Features
Attack Prevention	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
Security	URL/Domain Filter (URL based content filter)
	1. Allow/ Block domain including subdomain

5 Monitoring and Management

	WFA Software Features
WEB UI	Centralized Orchestrator
Monitoring	Actual Zero Touch provisioning with fully remote managed solution
Email & SMS	Alert Sending on registered Email ids and mobile numbers Third Party SMTP and SMS Gateway API integration required
Cloud Portal	Device Up / Down Status
	Hardware
	1. Memory / Load Average / CPU Utilization/ HDD Utilization (Alerts and RTG Graphs)
	2. CPE Uptime with Alerts
	WAN
	1. Port Status (Port Details, Port Graph)
	2. Automatic ISP Identification (ISP Name & location)
	3. Automatic IP Detection
	4. Latency Check
	5. Check bandwidth availability on active WAN & SIM (Automatic and Manual Speed Test Available)
	6. Internet Identification (Active: green , No internet: red and backup: grey)
	7. Port Wise Alert and Notification (SMS and Email)
	8. Port Wise MRTG Graph (WAN & SIM : Traffic/Latency)
	9. Sim Signal Strength with MRTG
	10. Sim Region, City, IMEI, SIM Number and APN detection

	11. No SIM & No Service Status
	12. Combined Port wise Traffic Graph and Aggregated Graph (Between Group 1(2*WAN) or Group 2 (2*SIM))
	LAN
	1. Port Status (Port Details, Port Graph)
	2. Port Wise Alert and Notification (SMS and Email)
	3. Port Wise MRTG Graph (Traffic/ Up Down)
	4. Connected IP List
	WLAN
	1. WIFI Band (2.4Ghz and 5Ghz)
	2. Band wise Traffic, Band wise bandwidth Utilization
	3. Band wise connected MAC with Signal Strength notification and Mac Vendor identifier
	Configuration
	1. Remote Reboot
	2. Factory Reset
	3. Firmware Update
	• Per Box/ Bulk Configuration and Upgrades
	4. Administration
	• Multi Tenanted
	• Role Base Access
	5. Orchestration Security
	• SSL & TLS 1.3 API
	• JWT Token Based Login
	• Two Factor Authentication(SMS & Email)

	6.Google Map Based Location View

6 Physical Interfaces

	WFA Software Features
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
Status LEDs	2 x SIM slots Standard Size
SIM	2 X LTE, 2 X WiFi
USB	USB 2.0
Micro SD	1 X Micro SD card slot
Reset	Reboot /Factory reset button
Throughput	LAN: Upto 1 Gbps WLAN: Upto 250 Mbps