



QUANTUM[®]
ACCESS UNLIMITED

Quantum RUDDER

Release Note V2



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Product Information

This topic summarizes product information of Quantum RUDDER™ Release Version 2.0.1

Quantum RUDDER™ Release Information

- Release Version 2.0.1
- Month of Release April 2022.

Devices Supported

Supported Quantum Networks Devices:

Access Points

- QN-I-200
- QN-I-220
- QN-H-220
- QN-I-210
- QN-I-270
- QN-I-470
- QN-O-230
- QN-O-230-N

Gateway

- QN-S-100
- QN-I-220S

Switch

- QN-SW225-24
- QN-SW225-24P
- QN-SW225-8
- QN-SW225-8P

Report an Issue

If you are facing any difficulty or need technical assistance, contact support@qntmnet.com or call 18001231163.



This section provides a high-level overview of several key features introduced in the RUDDER cloud software release 2.0.1. This release introduces exciting new features along with technological innovations.

Technological Innovations

Sr.	Features	Description
1	Micro-services Load-balancing Architecture	Quantum RUDDER™ V2 now supports fully elastic load-balancing clusters. This makes RUDDER super-scalable with the ability to scale without degradation of services.
2	Stronger Security Shield	Quantum RUDDER™ infrastructure beefed up the security to protect against rogue attacks. Web application firewalls protect against many different attacks including DDOS and BOT attacks.
3	Geographical Load Balancer	Quantum RUDDER™ V2 serves locations from the Quantum RUDDER™ server closest to your geographical location. This enhances the user response time and faster page loads. If the geographical cluster is down, the nearest cluster takes over.

New Features

Sr.	Enhancement	Description
1	MSP management	Managed Service Providers (MSPs) can manage multiple cloud accounts under their accounts.
2	Quantum Identity Manager	Quantum Identity Management help create users and user groups with respective policies that can be then assigned to Quantum services like SECURE, SECURE+, and UnGrid as per the requirement.
3	Unified management	Unified management of all your networking components ranging from Access Points to Switches to SD-WAN gateways.
4	Ease of user management	Allows admin to define user rights based on predefined roles as well as custom roles.
5	Account security - 2FA	Users can define two-factor authentication to secure their accounts.
6	Account settings - change Email	Allows super admin to change the super admin Email address.
7	WiFi mesh management	Wireless meshing supported.
8	Web authentication	Supports secure user authentication method.
9	AD, LDAP & custom API authentication	Provide a feature to integrate with AD, LDAP, and custom API for authentication.
10	BSS rate / Management rate	Supports selection of BSS min rate and management Tx rate.
11	SSID inactivity timeout	The ideal wireless client will be disconnected after an inactivity timeout.
12	Application filtering	Allows to block certain applications like WhatsApp, Zoom, etc.
13	URL filtering	Block pre-configured URL-based traffic.



Sr.	Enhancement	Description
14	Operating system-based restriction	Allows or deny wireless clients based on specific OS.
15	Band balancing	Balance client's load on radios by distributing clients between the 2.4 GHz and 5 GHz radios.
16	Band steering	Moderate: For a better WiFi experience, it Allows automatic band selection based on coverage and throughput. Prefer 5 GHz: It forces the device to connect on 5 GHz.
17	Radio status management (Enable/Disable)	Allows to Enable / Disable specific radio (2.4 GHz / 5 GHz).
18	Guest access with external NAS	Allows guest access by integrating 3 rd party NAS.
19	Support for outdoor channel range	Allows managing outdoor device channel.
20	Channel block management	Users can define permitted / non-permitted channels.
21	Schedule and bulk reboot Access Point	Admin can schedule a reboot for all Access Point or a single AP at a particular time.
22	Ease of LED management	LED status can be managed by the Access Point group.
23	Quantum SECURE+ MAC+OS based policy	Define MAC+OS based device access policy under Quantum SECURE+.
24	Ease of notification management	Admin can manage notification parameters.
25	DHCP service	DHCP service run in bridge mode Access Point.
26	Bandwidth saver mode	Allows Enable / Disable client statistics data transfer from device to RUDDER.
27	Access Point placement tools	Allows locating Access Point by uploading floor map and with outdoor map.
28	Diagnostic tools	Helps to do basic remote troubleshoot like traceroute, ping, nslookup, etc.
29	Device onboard journey	Track device onboarding journey with status and logs.
30	WAN failover management	Allows defining primary and secondary WAN sources.
31	Global time zone & site-wise timezone	Allows defining reporting timezone.
32	Physical port and wireless band status	Will display the port status whether it is plugged / unplugged, port speed, and status of the wireless band.



Enhancement

Sr.	Enhancement
1	Hotspot management
2	Speedy channel
3	Channel switch - Allows to define scan interval
4	Client / Device statistics data
5	Time zone wise reporting data - All cloud logs and Access Point time updates based on the on-site timezone

Changed Behavior

Sr.	Description
1	Access Point group transfer
2	Regrouping of the menu to make management of your networks faster and easier

