

Marvell AQtion Command Center

Supercharge Your Network

Overview

AQtion Command Center allows the user to prioritize network traffic by assigning a priority level for each application running on their PC. Users who are doing many things simultaneously can ensure that their software requiring low latency is processed first. Command Center software comes with auto detect profiles which are updated periodically.

Users can control both the upload and download rates and “pin” applications according to these priority levels:

- Critical Priority – the user requires the utmost performance, such as games.

- High Priority – applications that enhance the game play experience such as Discord for team chat.
- Normal Priority – valuable to Twitch streamers for interacting with their audiences.
- Low Priority – applications, such as software updates that can be served in the background.

By default, hundreds of the most common applications are listed with set priorities, and the user can still customize the priority status to suit their individual needs at any time.



The screenshot shows the AQtion Command Center interface for device AQN-107. It features a grid of application cards categorized by priority: Critical Priority Apps (Overwatch), High Priority Apps (Discord), Normal Priority Apps (Spotify, Twitch, YouTube), and Low Priority Apps (Agent, Battle.net, Epic Games Launcher, Microsoft Edge, Steam). Each card displays upload and download speeds. At the bottom, there are graphs for Upload Speed, Data Rate (Avg. Rate: 86.5 Mbps, Max Rate: 89.3 Mbps), and Download Speed. A central toggle switch is labeled 'On/Off switch for AQtion Command Center'.

Callouts and annotations include:

- Adapter Type:** Points to the device name 'AQN-107'.
- Router Priority Settings:** Feature not yet implemented.
- Network Settings:** Set the upload and download speeds in Mbps.
- Grid view and List view toggle buttons:** Located at the top left.
- For extreme bandwidth utilization, lower latency, and smoother gameplay:** Points to the Critical Priority Apps section.
- For high priority bandwidth utilization, web surfing and streaming:** Points to the High Priority Apps section.
- For normal bandwidth utilization and social media applications:** Points to the Normal Priority Apps section.
- For lower bandwidth utilization, file sharing and software updates:** Points to the Low Priority Apps section.
- Alphabetically organize the applications from A to Z or Z to A:** Points to the 'SORTING BY: NAME(A-Z)' dropdown.
- AQtion Command Center online help:** Points to a help icon at the bottom right.

Supported Devices

Command Center supports the following Marvell AQtion devices: AQN-107, AQN-108, AQC107, AQC108

Features

Marvell's AQtion Command Center has been designed to assign a specific priority for each of your app's packets to optimize your network experience; whether you are streaming videos, web surfing, or engaging in intensive online gaming. Marvell's Command Center provides an intuitive interface to transform your bandwidth intensive applications into unprecedented user experiences.

Features	Benefits
Lowers ping rate for games	Lower latency connection for demanding games
Software lane priority	Can adjust your network usage, bandwidth limits and data traffic to improve network performance
Lowers CPU usage	Lowers CPU usage vs the competitor when optimizing bandwidth limits
Ease of use	Drag and drop application priority
Automatic application lane priority	Applications default to pre-determined priority and the bandwidth limit sets automatically
Automatic Software Update	User will receive notifications of Command Center updates

What is Shown in the Command Center Main Window?

The Command Center main window shows all network based applications that are currently running.

The main window shows each app's respective ranked priority – CRITICAL, HIGH, NORMAL, or LOW. Changing the app's priority level is as simple as dragging and dropping

Note: To display a description for each priority setting, hover your mouse over the blue question mark  icon above the first tile in each row. **CRITICAL PRIORITY APPS** 

The main window also features an expandable menu, allowing the user to access GRID VIEW, LIST VIEW, ADAPTER TYPE (example AQN-107), and SORT BY modes that allows the user to customize how Command Center displays your current app activity.

Note: To display a description for each priority setting, hover the mouse pointer over the blue question mark  icon above the first tile in each row.



To deliver the data infrastructure technology that connects the world, we're building solutions on the most powerful foundation: our partnerships with our customers. Trusted by the world's leading technology companies for 25 years, we move, store, process and secure the world's data with semiconductor solutions designed for our customers' current needs and future ambitions. Through a process of deep collaboration and transparency, we're ultimately changing the way tomorrow's enterprise, cloud, automotive, and carrier architectures transform—for the better.

Copyright © 2020 Marvell. All rights reserved. Marvell and the Marvell logo are trademarks of Marvell or its affiliates. Please visit www.marvell.com for a complete list of Marvell trademarks. Other names and brands may be claimed as the property of others.