Esports



System & Networking Guide

Contained within this guide is an exhaustive list of titles that may be installed in an esports lab on your campus depending on varsity & club offerings.

In addition to the accept listing below, **the program director needs local admin to all esports computers due to the constant updates these programs receive and the rigorous practice & competition schedule**. The inability to update several titles each match day will result in forfeitures impacting program & student success

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13. [Forza Motorsport 7](#bookmark=id.3whwml4)
	1. [Xbox Live](#bookmark=id.2bn6wsx)

**PC Program Categories:**

* Driver
* Client
* Utility
* Game

**Nintendo Switch accept lists:**

1. [Nintendo Switch Online](#bookmark=id.qsh70q)
2. [Super Smash Bros. Ultimate](#bookmark=id.3as4poj)

# Chipset Driver (AMD or Intel)

**Category:** Driver

**Links:**

AMD: <https://drivers.amd.com/drivers/installer/20.50/beta/radeon-software-adrenalin-2020-21.3.1-minimalsetup-210317_web.exe>

Intel: <https://www.intel.com/content/www/us/en/support/detect.html>

**Explanation:** Drivers that allow the motherboard and computer processor to stay up to date and functioning. The vast majority of the PCs the club built utilize AMD motherboards.

**accept list:** N/A

# GPU Driver (AMD or Nvidia)

**Category:** Driver

**Link:**

 AMD: <https://drivers.amd.com/drivers/installer/20.50/beta/radeon-software-adrenalin-2020-21.3.1-minimalsetup-210317_web.exe>

 Nvidia: <https://www.nvidia.com/en-us/geforce/drivers/>

**Explanation:** Drivers that allow the graphics card to stay up to date and functioning. The vast majority of the PCs the club built utilize AMD graphics cards.

**accept list:** N/A

# Discord

**Category:** Utility

**Link:** <https://discord.com/api/download?platform=win>

**Explanation:** Program that allows students and coaches to communicate with each other and other teams. Necessary for club communication, tournaments (administration, registration, participation, etc.), leagues (administration, registration, participation, etc.), and college recruitment.

**accept list:** N/A

# Streamlabs

**Category:** Utility

**Link:** <https://streamlabs.com/slobs/download>

**Explanation:** Program allowing lab computers to stream events and matches to Twitch.tv

**accept list:** N/A

# Gif Your Game

**Category:** Utility

**Link:** <https://www.gifyourgame.com/>

**Explanation:** Utility that allows players to capture moments from their competitive matches that can later be uploaded to the team website and social media.

**accept list:** N/A

# Epic Pen

**Category:** Utility

**Link:** <https://epic-pen.com/download>

**Explanation:** Utility that allows coaches and players to write on screen over various applications for review and discussion.

**accept list:** N/A

# Steam

**Category:** Utility

**Link:** <https://cdn.akamai.steamstatic.com/client/installer/SteamSetup.exe>

**Explanation:** Hub for several competitive titles such as Rocket League, Apex Legends, Smite, and Counter-Strike: Global Offensive that allows them to be downloaded and played.

**accept list:**

|  |  |  |
| --- | --- | --- |
| HTTP | TCP port 80 |  |
| HTTPS | 443 |  |
| UDP | 27015 through 270304380 |  |
| TCP | 27015 through 27030 |  |
| UDP  | 27000 to 27015 | inclusive (Game client traffic) |
| UDP | 27015 to 27030 | inclusive (Typically Matchmaking and HLTV) |
| UDP | 27031 and 27036 | (incoming, for In-Home Streaming) |
| TCP | 27036 and 27037 | (incoming, for In-Home Streaming) |
| TCP | 27015 | (SRCDS Rcon port) |
| UDP | 347843794380 | (Outbound) |
| IPV4 | 45.121.184.0/2345.121.186.0/23 103.10.124.0/24 103.10.125.0/24 103.28.54.0/23 146.66.152.0/23 146.66.154.0/24146.66.155.0/24 146.66.156.0/23 146.66.158.0/23  | Valve Corporation |
| IPV4  | 153.254.86.0/24 |  |
| IPV4  | 155.133.224.0/23 155.133.227.0/24 155.133.228.0/23 155.133.230.0/23 155.133.232.0/24 155.133.233.0/24 155.133.234.0/24 155.133.235.0/24155.133.236.0/23 155.133.238.0/24155.133.239.0/24 155.133.240.0/23 155.133.242.0/23 155.133.244.0/24 155.133.245.0/24 155.133.246.0/23 155.133.248.0/24 155.133.249.0/24 155.133.250.0/24 155.133.252.0/24 155.133.253.0/24 155.133.254.0/24 155.133.255.0/24 162.254.192.0/24 162.254.193.0/24 162.254.194.0/23 162.254.196.0/24 162.254.197.0/24 162.254.198.0/24 162.254.199.0/24 185.25.180.0/23 185.25.182.0/24 185.25.183.0/24 190.216.121.0/24 190.217.33.0/24 192.69.96.0/23 | Valve Corporation |
| IPV4  | 205.185.194.0/24  | Valve Corporation (C04780190) |
| IPV4  | 205.196.6.0/24208.64.200.0/24 208.64.201.0/24 208.64.202.0/24 208.64.203.0/24 208.78.164.0/23 208.78.166.0/24 208.78.167.0/24 | Valve Corporation |

# Rocket League

**Category:** Game

**Link:** <https://www.epicgames.com/store/en-US/p/rocket-league>

**Explanation**: A video game title played in the competitive league Unified Esports, MNVL, and NASEF alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| UDP | 7000-9000 | rocketleague.com |
| TCP | 80443 | rocketleague.com |
| IP |  | psyonix-rl.appspot.comrl-cdn.psyonix.compsyonix.comdatahound.comc.evidon.comPsy.netrl-cdn.psyonix.comConfig.psynet.ggrl-psy.net |

# Bakkes Mod

**Category:** Utility

**Link:** <https://github.com/bakkesmodorg/BakkesModInjectorCpp/releases/latest/download/BakkesModSetup.zip>

**Explanation:** Extension to Rocket League that allows players to practice and run drills.

**accept list:** N/A

# Apex Legends

**Category:** Game

**Link:** <https://store.steampowered.com/app/1172470/Apex_Legends/>

**Explanation:** Competitive game in the league IGL and several national tournaments.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 1024-112432169960-996918000180601812027900289102990027015-2703027036-27037 |  |
| UDP | 438027000-27031270361024-1124180002990037000-40000 |  |

# Smite

**Category:** Game

**Link:** <https://store.steampowered.com/app/386360/SMITE/>

**Explanation:** Competitive game in the leagues IHSEN and PlayVS along with several national tournaments run by high schools, colleges, and other organizations

**accept list:**

|  |  |  |
| --- | --- | --- |
| UDP | 9002-9999 | smitegame.com |
| TCP | 9000, 9001 | hirezstudios.com |
| IP |  | hirez.nethi-rezgame.net |

# Counter-Strike: Global Offensive

**Category:** Game

**Link:** <https://store.steampowered.com/app/730/CounterStrike_Global_Offensive/>

**Explanation:** Competitive game played in the SPIN League, ESEA, and Faceit along with several national tournaments run by high schools, colleges, and other organizations

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 27015-2703027036-27037 |  |
| UDP | 438027000-2703127036 |  |

# Faceit Anti-Cheat

**Category:** Utility

**Link:** <https://www.faceit.com/en/anti-cheat>

**Explanation:** Add on to Counter-Strike: Global Offensive that allows players to participate in the Faceit League and associated tournaments.

**accept list:** N/A

# ESEA Client

**Category:** Client

**Link:** <https://play.esea.net/index.php?s=downloads&d=download&id=1>

**Explanation:** Client for Counter-Strike: Global Offensive that allows players to participate in the ESEA league and associated tournaments.

**accept list:** N/A

# Skybox

**Category:** Utility

**Link:** <https://landing.skybox.gg/>

**Explanation:** Tool used to upload match recordings and analyze them.

**accept list:** N/A

# Battle.net

**Category:** Client

**Link:** <https://www.blizzard.com/apps/battle.net/desktop>

**Explanation:** Client that gives access to the games Overwatch and Hearthstone that are in the leagues NASEF, PlayVS, MNVL, and several tournaments nationally.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 804431119112037244000611261136114 |  |
| UDP | 8044311193478-347950605062625012000-64000112037244000611261136114 |  |

# Overwatch

**Category:** Game

**Link:** <https://playoverwatch.com/en-us/>

**Explanation:** A video game title played in the competitive leagues PlayVS, NASEF, and alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 11193724611380 |  |
| UDP | 3478-347950605062625012000-64000 |  |

# Hearthstone

**Category:** Game

**Link:** <https://playhearthstone.com/en-us>

**Explanation:** A video game title played in various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 11193724 |  |
| UDP | 11193724 |  |

# Epic Games

**Category:** Client

**Link:** <https://launcher-public-service-prod06.ol.epicgames.com/launcher/api/installer/download/EpicGamesLauncherInstaller.msi>

**Explanation:** Client that gives access to the games Rocket League and Fortnite played in the leagues MNVL, PlayVS, NASEF, and several other national tournaments.

**accept list:**

|  |  |  |
| --- | --- | --- |
| IP |  | epicgames-download1.akamaized.netdownload.epicgames.comdownload2.epicgames.comdownload3.epicgames.comdownload4.epicgames.comepicgames.comIcdn1.unrealengine.comcdn2.unrealengine.comIstatic-assets-prod.epicgames.comIgraphql.epicgames.comaccount-public-service-prod03.ol.epicgames.comcatalog-public-service-prod06.ol.epicgames.comcoderedemption-public-service-prod.ol.epicgames.comdatarouter.ol.epicgames.comdatastorage-public-service-liveeos.ol.epicgames.comecommerceintegration-public-service-ecomprod02.ol.epicgames.comentitlement-public-service-prod08.ol.epicgames.comeulatracking-public-service-prod06.ol.epicgames.comfriends-public-service-prod06.ol.epicgames.comfulfillment-public-service-prod06.ol.epicgames.comlauncher-public-service-prod06.ol.epicgames.comlauncher-website-prod07.ol.epicgames.com/launcherwaitingroom-public-service-prod06.ol.epicgames.comlibrary-service.live.use1a.on.epicgames.comlightswitch-public-service-prod06.ol.epicgames.comnotifications-service-prod06.ol.epicgames.com:443orderprocessor-public-service-ecomprod01.ol.epicgames.compersona-public-service-prod06.ol.epicgames.compriceengine-public-service-ecomprod01.ol.epicgames.comxmpp-service-prod.ol.epicgames.com |

# Fortnite

**Category:** Game

**Link:** <https://www.epicgames.com/store/en-US/p/fortnite>

**Explanation:** A video game title played in the competitive league MNVL alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 52225795-5847 | (inclusive) |
| UDP | 52225795-5847 | (inclusive) |

# Ubisoft Connect

**Category:** Client

**Link:** <https://ubi.li/4vxt9>

**Explanation:** Client that gives access to the game Rainbow 6: Siege that is in the SPIN League and several tournaments nationally.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 804431300013005132001400014001140081402014021140221402314024 |  |

# Rainbow 6: Siege

**Category:** Game

**Link:** <https://www.ubisoft.com/en-us/game/rainbow-six/siege/buy>

**Explanation:** A video game title played in the competitive league SPIN alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 804431300013005132001400014001140081402014021140221402314024 |  |
| UDP | 6015 |  |

# League of Legends

**Category:** Game

**Link:** <https://signup.na.leagueoflegends.com/en/signup/redownload?page_referrer=index>

**Explanation:** A video game title played in the competitive league MNVL alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 2099 | prod.na2.lol.riotgames.com |
| TCP | 5222-5223 | chat.na2.lol.riotgames.com |
| UDP | 5100-5400 | 192.64.170.0/24 192.64.171.0/24192.64.172.0/24192.64.173.0/24192.64.174.0/24 |
| TCP | 8088 | spectator.na2.lol.riotgames.com |
| TCP | 443 | auth.riotgames.comlq.na2.lol.riotgames.coml3cdn.riotgames.comprod.config.patcher.riotgames.comus.edge.rms.si.riotgames.comekg.riotgames.comacs.leagueoflegends.comentitlements.auth.riotgames.commatchhistory.na.leagueoflegends.complstore.na2.lol.riotgames.comstatus.leagueoflegends.comstore.na2.lol.riotgames.comlolstore-a.akamaihd.netlolesports.comriotgamespatcher-a.akamaihd.netcds.s4a8x2q3.hwcdn.net |
| TCP | 80, 443 | clubs.leagueoflegends.comfrontpage.na.leagueoflegends.comlolstatic-a.akamaihd.netoembed.leagueoflegends.comam-a.akamaihd.netriot.complayvs.com |
| IP |  | playerpreferences.riotgames.comriotp0use1.vivox.com |

# Valorant

**Category:** Game

**Link:** <https://playvalorant.com/en-us/>

**Explanation:** A video game title played in the competitive league MNVL alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 20995222-522380888393-8400 |  |
| UDP | 5000-55008088 |  |

\*Kernel level anti-cheat called Riot Vanguard needs to initialize on each system startup\*

# Forza Motorsport 7

**Category:** Game

**Link:** <https://www.microsoft.com/en-us/p/forza-motorsport-7/9nblggh4tnrt?activetab=pivot:overviewtab>

**Explanation**: A video game title played in the competitive leagues UGC alongside various state and national tournaments held by high schools, colleges, and national esports organizations.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 3074 |  |
| UDP | 88500307435444500 |  |

# Xbox Live

**Link:** <https://www.xbox.com/en-US/live>

**Explanation:** The network used for online multiplayer functionality for Windows Store & Xbox titles. Necessary for titles like Forza, Rainbow 6, and Rocket League (if the latter 2 are played on Xbox).

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 53803074 |  |
| UDP | 5388500307 35444500 |  |

# Nintendo Switch Online

**Link:** <https://www.nintendo.com/switch/online-service/>

**Additional Guide:** <https://k12techpro.com/how-to-change-nintendo-switch-nat-type-for-esports-fortigate/>

**Explanation:** The network service used for Nintendo Switch online multiplayer functionality to download, update, and play club titles such as Super Smash Bros. Ultimate, Rocket League, and Fortnite.

**accept list:**

|  |  |  |
| --- | --- | --- |
| UDP | 1-65535 | (inclusive) |

# Super Smash Bros. Ultimate

**Explanation:** Nintendo Switch exclusive game that is played both in-person and online in multiple leagues and tournaments including IHSEN, IGL, and PlayVS.

**accept list:**

|  |  |  |
| --- | --- | --- |
| TCP | 6667 12400 28910 29900 29901 29920 |  |

**Resources**

* <https://drive.google.com/file/d/13lLVu-kI8W0CNGVzbGwR1wqXW3tPk8yX/view>
* <https://playvs.zendesk.com/hc/en-us/articles/360026688853-Hardware-Network-Specifications-Inclusion-lists-#h_01EZRR51K1GSGAXRCZ5DRQXMDC>
* <https://help.highschoolesportsleague.com/hc/en-us/articles/360024326931-Ports-Services-to-Open>
* <https://us.forums.blizzard.com/en/sc2/t/how-to-put-in-ports-number-for-blizzard-games/7533>
* <https://en-americas-support.nintendo.com/app/answers/detail/a_id/22272/~/how-to-set-up-a-routers-port-forwarding-for-a-nintendo-switch-console>