

# Wi-Fi and Tablet Specs Recommendations

## Acquiring Tablets

- Borrowing Tablets
  - Programs often borrow tablets from local schools, universities, and organizations. If you do borrow tablets for your event, please make sure they fit within the recommended specifications for HAS Point-of-Care data entry, and you set them up based on the **SOI Tablet Setup – Quick Reference Guide**, which can be found on the [HAS Resources page](#).
  - If you are looking into borrowing tablets and want to know if that particular type of tablet will work well with HAS, please email [healthdata@specialolympics.org](mailto:healthdata@specialolympics.org).
- Purchasing Tablets
  - To purchase a tablet, a program can apply for a capacity grant.
    - For questions about capacity grants, please email [hharmer@specialolympics.org](mailto:hharmer@specialolympics.org)
  - To prevent individuals from re-selling tablets, many stores prohibit customers from buying in bulk.
    - SOI has a relationship with CDW and can help US Programs purchase items at a discounted rate. Please contact [healthdata@specialolympics.org](mailto:healthdata@specialolympics.org) for more information

## Tablet Recommended Specifications

- Android Tablets (non-iPad/iOS product)
  - At this time, SOI does not recommend non-Android devices, such as Microsoft Surface Pros or iPads as they may require additional setup and setting configurations.
- 9" to 10" tablets are preferred
- The minimum memory of 1.5-2GB Ram is preferred
- Wi-Fi capabilities
  - 5GHz Wi-Fi
    - A 5 GHz tablet is compatible with a 2.4 GHz or 5 GHz network
    - A 2.4 GHz tablet is only compatible with a 2.4 GHz network
- Suggested Tablets
  - [Samsung Galaxy Tab A 10.1"](#)

## Protecting your Tablets & Charging

- Tablet Cases (non-required, but SOI suggests)
  - Protective cases can be purchased from Amazon or other vendors

- While some programs prefer cases that cover the screen, others find this gets in the way and opt for an anti-slip case with no screen cover.
  - [Samsung Galaxy Tab A 10.1 Case](#)
  - [Poetic TurtleSkin Heavy Duty Protection Silicone Case](#)
- Storage and Transport Cases (non-required, but SOI's suggests)
  - Short Distance Transport
    - Hard Shell suitcases can work well for transporting the tablets for short distances
    - If you plan to ship the tablets or want a more protected option, SOI suggests a Pelican Storm case ([iM2950](#) or [iM2975](#), both with foam).
- Charging
  - Ensure you have enough charging stations/devices to charge all tablets at once
    - [Outlet Surge Protectors](#)
    - [Anker PowerPort 10 Ports](#)
      - Suggested for programs with a high # of tablets
      - Anker PowerPort 10 Ports can plug into an outlet surge protector.

## Wi-Fi Requirements at a venue

- **At least a few weeks before your event, contact the individual at your venue responsible for IT and Wi-Fi with the following questions**
  - What is the possibility to create a private, password protected, network?
    - This is the ideal solution for strong Wi-Fi
  - How many **active concurrent devices** can each access point support?
    - With the access points and network configurations can you support (your # of tablets) + concurrent devices?
  - Does the Wi-Fi broadcast in 5GHz or 2.4GHz?
    - Broadcast frequency must match tablet capability
      - See the settings of your tablet for your devices broadcast GHz capability
      - With any questions email [healthdata@specialolympics.org](mailto:healthdata@specialolympics.org)
        - A 5 GHz capable tablet can run on a 2.4 or 5 GHz Network
        - A 2.4 GHz tablet can only run on a 2.4 GHz Network
  - Request that the venue runs a speed test in various corners of the room and lets you know the download and upload Mbps.
    - You will also run speed tests during your site visit before the event
  - Who can you contact from the venue for any Wi-Fi related needs during set up and during the event?
    - We highly recommend you request for this person to be onsite during the event.
    - If no one can be onsite, who can you call for help?
- Have a site visit where you test the Wi-Fi
  - Go to as many spots and corners of the room as possible and run a speed test on your phone and a tablet
    - Press <http://www.speedtest.net/>
    - Press "Go"
    - The Download and Upload speeds will ideally be greater than 20 Mbps
    - Sometimes Wi-Fi can be really strong in part of a room and not usable in another, which is important to speak to your venue about in advance and also may influence your set-up.
  - Bring a tablet with you and sign on to the HAS Application
    - Walk through a test event and see if the speed is enough for a strong user experience

## Distributing Tablets between Disciplines

- The number of tablets needed per discipline varies based on the estimated number of athletes, number of stations, number of volunteers, and number of tablets sourced by the Program.
- The suggestions below are a guideline for a typical SONA Event and would require 92 tablets + 4 Laptops for Central Registration.
- While having all seven disciplines using tablets is beneficial, not every program can source the number of tablets needed.
  - If you would like to discuss further how to determine which disciplines to use tablets and how many tablets are needed, please email [healthdata@specialolympics.org](mailto:healthdata@specialolympics.org).
  - Additionally, for smaller events, programs may decide to have a volunteer with a tablet follow the athlete, versus the tablets remaining at each station. If you are having a smaller event and are short on tablets, please email [healthdata@specialolympics.org](mailto:healthdata@specialolympics.org)

	# of Tablets Suggested	# of Laptops Suggested
Central Registration	0	4
Fit Feet	10	0
FUNfitness	17	0
Healthy Hearing	18	0
Health Promotion	14	0
Opening Eyes	22	0
Special Smiles	7	0
Strong Minds	4	0
<b>Total</b>	<b>92</b>	<b>0</b>

<b>Fit Feet</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
Sizing	3
Exams	3
Checkout	2
Shoe Distribution	0
<b>Total number of tablets: 10</b>	

<b>FUNfitness</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
Flexibility	3
Strength	3
Balance	2
Aerobic	3
Education	2
Checkout	2
<b>Total number of tablets: 17</b>	

<b>Healthy Hearing</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
Otoscopy	4
Ear Wax	0
Otoacoustic Emissions	4
Tympanometry	3
Pure Tone Audiometry and Threshold Testing	3
Hearing aid fitting and repair/Swim plugs	0
Checkout	2
<b>Total number of tablets: 18</b>	

<b>Health Promotion</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
BMI	2
BMD	2
Healthy Habits	4
Blood Pressure	2
Checkout	2
<b>Total number of tablets: 14</b>	

<b>Opening Eyes</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
DVA	3
Cover test	2
NVA	2
Color and Stereo	2
IOP	3
Eye Health	2
Intermediate checkout	2
Refraction	2
Checkout	2
<b>Total number of tablets: 22</b>	

<b>Special Smiles</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
Oral Screenings	3
Hygiene	0
Mouth guards	2
Checkout	0
<b>Total number of tablets: 7</b>	

<b>Strong Minds</b>	
<b>Station</b>	<b>Suggested Number of Tablets</b>
Check-in	2
Stress and You, Strong Messaging, Strong Breathing, Strong Stretching, Strong Supporting	0
Checkout	2
<b>Total number of tablets: 4</b>	