

Integrate+ software tablets

Hardware specifications



Minimum technical specifications

Running the I+ software application package will require the following minimum specifications for a tablet in order to provide good performance:

Operating system: Android 4.4 (or newer)

Processor: quad-core ARM

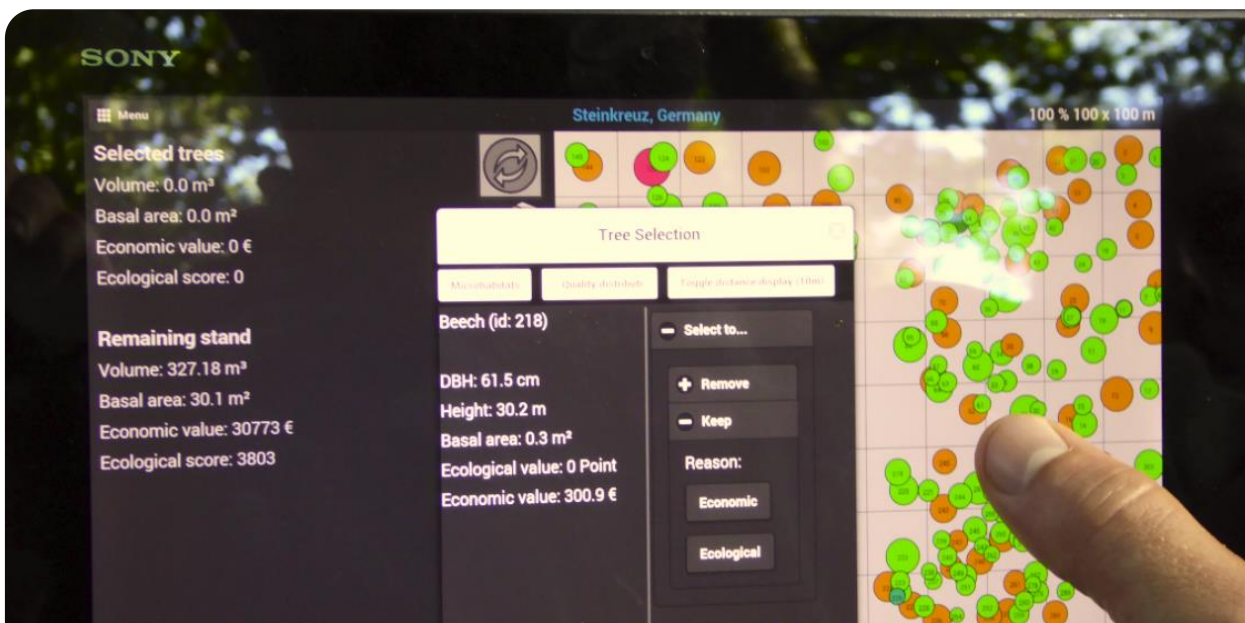
RAM memory: 1 GB

Screen resolution: 1280x800

The I+ app has performed well with devices running the **Android 4.4** (or newer) operating system. The use of pre-4.4 Android devices is not recommended as map display and functionality are not satisfactory.

Processor and memory specifications lower than the above may lead to delays in user requested operations. ARM processor architecture is recommended as it has shown good results in I+ app test runs.

A minimum **screen resolution** of 1280x800 is strongly recommended. The I+ app heavily relies on maps and other graphical displays (tables, charts).



The I+ app is designed to be used in the field. Tablets should be rugged and able to withstand different weather conditions and some rough treatment. Based on these requirements the selection is rather limited and some compromises may need to be made. However, there is an increasing selection of tablets built for field conditions.

A tablet well suited for use in forests is the Panasonic **Toughpad FZ-B2**. It is regarded by foresters using it in the field as a rugged, reliable and functional field tool. The screen is anti-glare with little reflection. However, the screen is not as bright and the resolution is lower compared to some of the other tablets mentioned here.

Non-rugged tablets meeting the hardware specifications may also be used to run the I+ app. They are of course much cheaper; however they are not built for field use. They are weather sensitive and may break if dropped. Considering these limitations and depending on the frequency of use, non-rugged tablets may be an option. We recommend looking for waterproof models as wet and humid conditions are likely to be frequently encountered in the forest.

There is a vast selection of non-rugged tablets. The I+ app has been tested with a number of tablets concentrating on well-known brands. Good experience has been collected with the **Google Nexus 7 (2013)** built by Asus and recent **Samsung** tablets fitting the specifications. The **Sony Xperia tablet Z** has shown to be very reliable.

This document will be updated as further experience with a range of different tablets is acquired.



Integrate+ is a demonstration project funded by the German BMEL to establish a European network of demonstration sites for the integration of biodiversity conservation into forest management.

The Integrate+ project runs from December 2013 to December 2016 and builds on a partner network from research and practice with a focus on implementation of integrative management and enhancing transnational exchange of experiences.



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