



## Frequently Asked Questions

### **ODYSSEY™ TABLET COMPUTER**

Q) What are the specifications of the Odyssey tablet?

1. Size: 7 inches (diagonal from corner to corner)
2. Resolution: 1024 X 600 (WSVGA resolution), equal to about 170 pixels per inch and is capable of showing video in HD. Most 7" tablets come with a lower screen resolution like 640 X 480.
3. Battery life: The tablet has a 4500 mAh Lithium-ion battery - one of the largest in a 7-inch tablet in the world. It can run for 7 hours continuously streaming live video with maximum screen brightness and maximum audio volume, or 8 hours of file downloads, or 10 hours of continuous use for reading e-Books stored on the tablet.
4. Operating system: Android 4.2 Jelly Bean - the most popular version of Android running worldwide.
5. Memory: 1GB of DDR3 RAM and 8GB solid-state flash memory. This is much larger than what is typically offered with 7-inch educational tablets and allows for much more data and software to be downloaded to the tablets for later use. More flash memory can be added for an extra cost. There is also a microSD port that can utilize up to a 32GB microSD card for further onboard data storage. The microSD card is available from Yazmi for an extra cost.
6. Camera: The Odyssey 700 comes standard with a VGA-resolution (0.3 megapixel) rear-facing camera that can be used for capturing video or still photos. It is intended for use in science and social studies.
7. Speaker and earphones: The Odyssey 700 is most likely to be used in group situations, either in the classroom or in a common area at home. We have provided a small external speaker but it is intended that the user use the included soft tapered earphones for audio use.

Q) Can the tablet access the Internet?

A) The student tablet has WiFi access capability. Tablet comes with an optional 2G or 3G SIM card

Q) Does the tablet come with a keyboard?

A) Yazmi offers a low-cost protective leatherette case with an integrated physical keyboard and tablet stand as an optional accessory. The keyboard connects into the tablet via a small connector and can be used to more easily write essays, take notes etc.

Q) What is the tablet warranty?

A) The tablet comes with a standard 12-month warranty against manufacturer defects. Extended warranties are available at extra cost.

Q) What software comes with the tablet?

A) The Odyssey 700 tablet comes pre-loaded with proprietary Yazmi software to manage setup

and reception of the satellite service, live streams of video, a student schedule of live streams and applicable file download sessions, and a curricular content repository.

The tablet also comes with standard Google Android software. Yazmi has a variety of additional open source educational content and apps available at no extra cost. Yazmi would also pre-load any digital educational content provided by the customer. If the customer needs assistance in creating digital content, Yazmi can serve as the prime contractor for such activities on a for-fee basis.

Q) Can students do Facebook, Twitter, SMS or instant messaging with the tablet?

A) The tablets are WiFi-enabled so the students could use them in a location where there is public internet access, but otherwise the tablets do not have conventional Internet connectivity. We want to provide a solution for learning rather than potential distractions.

Q) What is the recharge time of the tablet?

A) A deep recharge (from 20% to 100%) takes 3-4 hours, depending on whether the user plugs into an AC outlet or uses the Yazmi Solar-Powered Charging Station. Battery life will be maximized if the user recharges once the battery reaches 50% than letting go down to 4-5% when the tablet automatically shuts off.

## **SATELLITE SERVICE**

Q) Are the satellite data streams encrypted?

A) Yes. The tablet automatically decrypts the incoming data.

Q) What can you send to the tablets over the satellite?

A) The Yazmi satellites are data broadcasting satellites, and so can deliver any type of file including software programs and updates, digital library books, live video or audio lectures or speeches, cached websites, educational apps, e-textbooks and workbooks, music files and pre-taped video files.

Q) Do you have the right to send data into my country? Don't you need a license for that?

A) We have broadcasting rights on our satellite frequencies (1467 MHz to 1492 MHz, which is in the Lband) into more than 120 countries, including every country in Africa.

Q) What if a student misses a scheduled download?

A) The classroom server also has a Yazmi satellite receiver and is designed to be a backup for all scheduled downloads for all tablets in the class. If a student misses a download, then the automatic syncing function of the server will deliver the missing file to the student.

Q) What is the cost of sending data via the satellite?

A) A one-time service fee is bundled into the purchase price of the tablet. In return, the tablet receives unlimited downloads for so long as it is in service.

Q) How hard is it to set up the antenna?

A) The antenna is smaller than a paperback novel and has an integrated swivel stand. A novice usually obtains the satellite signal within a few minutes if the antenna is placed generally in the right direction.

Q) What is JITCOVY?

A) JITCOVY is an innovative offering by Yazmi and is an acronym for Just-in-Time Coaching via Yazmi. JITCOVY is offered by the education administrator as a live session via Yazmi satellite. It could be used for teachers or students. For teachers JITCOVY is proposed as a way of providing “tips” for handling the current lesson in the class. For students JITCOVY could be used to provide a quick revision of a subject the day prior to the exam.

Q) How is a live session via the satellite conducted?

A) For synchronous delivery, the content provider needs a computer with an internet connection (at least 256 kbps link). For a multimedia delivery, this computer should have audio and video capture devices connected to it. This computer needs to have Yazmi’s special software called “ Satellite School Teacher”. At the chosen start time of the live session, the instructor hits the “Start” button. This commences a live stream of data from the instructor’s computer delivered to the Yazmi uplink station.

### **CLASSROOM SERVER**

Q) What is the classroom server?

A) The Yazmi Classroom Server is a small computer with Yazmi-satellite connectivity, a large hard drive, customized software, and a strong WiFi network adapter. It is intended to manage the student tablets within a classroom setting. The Classroom Server also serves as a content library and a backup/sync tool for the tablets. The Classroom Server automatically connects with the tablets in the classroom in the background. If students want or need to access supplementary materials such as digital library books or videos, they can access the Classroom Server via their tablet in the classroom and download those items.

The Classroom Server also assists the teacher. It provides tools to lock down student tablets upon request from the teacher tablet during tests or if the teacher is reciting a lesson. For assessment, the Classroom Server automatically pulls tablet-based tests from the student tablet for either auto-marking or review by the teacher. Test results are also aggregated and provided to the teacher and administrators to keep track of progress. The aggregated results data (number of lessons delivered by subject, attendance, test results) from the school can be sent to regional or national education officials as well.

Q) How many tablets can one Classroom Server manage?

A) The Classroom Server should be able to handle up to 100 tablets in a single classroom. The number of tablets served is more a function of distance that the wireless network can travel than the number of tablets it can manage. Classrooms that are serving multiple grades and/or multiple subjects can also use the Classroom Server, but may require a larger hard drive.

### **SOLAR-POWERED CHARGING STATION**

Q) What is the solar-powered charging station?

A) The Yazmi solar-powered charging station is a compact and rugged power storage unit with a large lithium-ion battery and a 5-watt solar panel. The charging station is designed to be an always-ready source of power to recharge the tablet battery as needed.

Q) How much power is stored in the charging station?

A) 8800 milli-amp-hours

Q) How does the charging station work?

A) The solar panel is set outside or in a window during the day and collects sunlight. The solar panel converts sunlight to electricity and feeds that power to the lithium-ion battery in the charging station. When the Odyssey 700 tablet requires recharging, it is connected to the charging station battery and begins to recharge.

Q) How many recharges of the tablet can the charging station battery provide?

A) The charging station battery can provide approximately 3 deep recharges of the tablet battery before it would require recharge. As with the tablet battery, the charging station battery life will be extended if it is recharged before reaching very low levels.

Q) Can the charging station power or recharge other items?

A) Yes - it can be used to recharge other items besides the tablet, such as phones.

Q) Can the charging station battery be charged from an electrical?

A) An optional upgrade (extra cost) is available to add an AC plug adapter to charge the charging station battery.

Q) How long does it take for the charging station battery to be recharged by the solar panel?

A) 9-13 hours for full recharge depending on power being generated by solar panel (depends on time of day, cloud cover, dirt or dust buildup on panel, time of year, location, etc).

## **COMPANY**

Q) When was Yazmi founded?

A) Yazmi was founded in 2009 and acquired the satellites, transmission rights and ground infrastructure in 2010.

Q) Where are your offices located?

A) Yazmi is headquartered in suburban Washington, DC, which is a hub for both educational technology companies and satellite companies. Yazmi also has engineering and satellite operations centers in Australia and India, and a sales joint venture in South Africa. We have partnerships in a number of countries

Q) What makes Yazmi different from other ICT offers for education?

A) The satellite receiver is embedded in the tablet. Yazmi's coverage is 100% of the country, so it can offer universal delivery of content. The tablet and antenna together are so compact that they are portable and can be used by the student at home, at school or outside. The entire system has been designed first and foremost for use in rural, remote and impoverished regions of Africa, Asia and the Middle East.

Q) We like the satellite service but we already have deployed tablets or laptops. Can you still provide us service?

A) Yazmi has developed a miniature USB-powered satellite receiver that could be used to receive Yazmi satellite transmissions for use on third-party tablets, laptops or desktops.

Q) Can the system be used for areas other than basic education?

A) We believe the Yazmi system is highly valuable for teacher continuing education, adult

education (technical and university), and out of school children. Outside of education, Yazmi is in discussions with partners for deployment in health, government and emergency response applications across our coverage area.