

16Lab to Unveil New Ring-like wearable computing device

Kamakura, Japan --- October 6, 2015 --- A wearable device maker and software developer, 16Lab, today announces the release of a new model of OZON™ (pronounced, *ōzōn*), a personal computing ring-device.

16Lab has succeeded in reducing the width of the ring by about 30% in this model compared with the prototype model which we announced last year, as well as mounting a wireless electric supply to the device by exploiting our ultra-low power consumption technology. It is likely that this is the first time that a wireless electricity supply has been mounted on such a small piece of communications equipment anywhere in the world (claim based on our own investigations).

The software for the device has also advanced dramatically. One of 16Lab's key technical strengths is our extremely high-precision gesture controller. The majority of existing gesture controllers project the 3-dimensional information about the user's movements into 2 dimensions before processing it. 16Lab's gesture controller, however, is able to capture the user's movements in 3 dimensions. The latest model of our device is also equipped with a payment function.

16Lab is now preparing for pre-order sales of the new model. Our plan is that the first round of shipments will be sold as Developer Kits targeted at engineers in 8 different countries. Announcement of details including product specifications, development schedules, commercial launch, and retail outlets, as well as SDK release date will be announced when we begin taking pre-orders.

16Lab believes that in this generation where networks are developing day by day, it becomes critically more important to connect and cooperate across several different industries. For a platform-type product like OZON™, co-operation with engineers worldwide is particularly important. We hereby present our Premier Partners, companies with whom discussions are currently being held with regards to the possibility of the development of products that are compatible and in sync with OZON™; the companies are TOYOTA MOTOR CORPORATION and YAMAHA CORPORATION.

The logo for Toyota, consisting of the word "TOYOTA" in a bold, red, sans-serif font.

Apart from the two companies named above, we are currently talking with key players in several other industries concerning development of products coordinated with OZON™. At 16Lab, we are working together with engineers worldwide, diligently striving to make the possibility of a new generation of computers with intuitive control systems a reality.

The latest model from 16Lab will be unveiled to the public at CEATEC, a tech exhibition. It will be displayed at Alps Electric booth.

Contacts : business@16lab.net / press@16lab.net / investor@16lab.net

[About]

16Lab Inc. <http://16lab.net>

16Lab is a startup which has gathered the some of best engineering minds from around the world in order to develop its ring-type wearable computing device. A year and a half ago, we received the offer of joint development from Alps Electric after they saw our demo. After we showed our prototype last year, we received a significant number of technical cooperation offers. As a result, we have built a development consortium of Engineering Partners with world-class technology in all technology areas. 16Lab is in charge of all software and electronic prototypes within this development consortium. 16Lab is a recipient of the Japanese government's subsidy program called the NEDO R&D Venture Support Program. This supports highly competitive R&D-oriented innovative startups. Moreover, 16Lab was awarded top prize at the Japan-UK Tech Awards 2015.

CEATEC JAPAN 2015 <http://www.ceatec.com>

CEATEC JAPAN 2015 is a trade fair which brings together the biggest players in the Asian IT and electronics industry. The fair will take place at Makuhari Messe exhibition hall (Chiba, Japan) from 7th-10th October 2015.

OZON™ (pronounced *ōzōn*)

Compared with ordinary mobile devices, wearables require a much higher level of safety engineering. By creating proprietary designs for nearly all the key components, we aim for a very safe and very small ring. The parts are quite expensive, but we believe that they are needed for any wearable product. On software side, 16Lab offers the following 4 functions:

Gesture Controller	Allows the user to control their television, air-conditioning, Bluetooth devices and a range of other household appliances through gestures and movements. Significant competitive advantage from our superior accuracy of 3D gesture controller will broaden our market reach to almost every industry as well as everyday use.
Alerter	Alerts the user by vibrating whenever they receive calls, emails, Facebook messages, etc.. This eliminates the need for ringtones, which can cause embarrassment when out in public, and means that the user can avoid ever missing an important phone call or message again.
Contactless Key	Not only does this function act as a replacement for keys and keycards, it can also be used to start up a smartphone or PC apps simply by opening the palm of the hand.
E-Wallet	Allows the user to purchase products just by placing their hand over a payment terminal.

The device's waterproofing properties are in conformance with the IP67 standard. Battery life depends on usage, but under normal usage conditions the battery can be expected to last more than 2 days without the need for recharging. Moreover, we will offer an ultra-small communications module, will be provided as an OEM, aimed at luxury fashion brands. We have equipped a device measuring just 8mm x 8mm with communications functions and a full range of motion sensors capabilities, thereby achieving true micro-miniaturization.

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OZON™



Regarding the design

Our Chief Design Officer Manabu Tago (MTDO Inc.) is in charge of the entirety of our design management operation. Manabu is an outstanding designer who can boast having won each of the three most prestigious international design awards.

The inner part of the OZON™ device is made from machined titanium. That is very expensive but it helps prevent allergic reactions. We had the titanium made by a metal processing company that has a long history as a supplier to a fine brand of wristwatches. As a material, titanium is difficult to machine. But the manufacturer has beautifully finished the ring's inner surface with the world-top level ultra-precision cutting and polishing techniques.

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