palmcat | Wearable Motion Sensing Device

pero

Wearable Gesture Controller

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#Gesture controller
Sometimes,
A Gesture is more effective
than a few words.

What if various IT devices responded to our gestures?
It may not be as good as "JAVIS" in IRON-MAN,
but it would be efficient and fun.

palmcat's new type controller-PERO,
lets do it like movies, with just this wristwatch-sized device, You
can use PERO right away without any other system nor
additional equipment.

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#Wearing position
An easy wearing method, But numerous gesture recognition.

PERO is a band-shaped product that covers the hand.
PERO recognizes gestures efficiently.
The motion sensor detects the movements of the hand and fingers.
Finger movements recognized through the touch or press of the palm.
Also, the same movement could generate many hand gestures with just a little different position of fingers.

#Gesture recognition
Straight, Circle, Rolling, And even Combined.

PERO recognize straight, circle, rolling gestures.
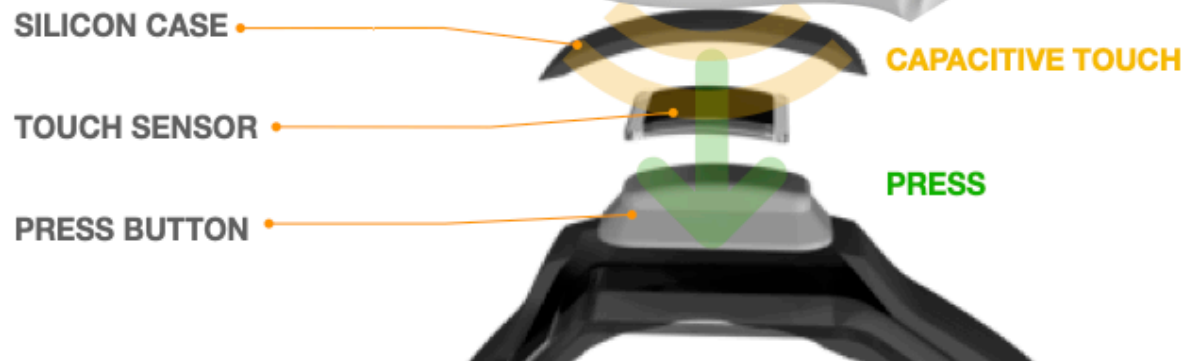And it is even combined of those three.

MULTI GESTURE RECOGNITION

#Thumb Button
Change thumb
To be dexterous.

Touch your thumb to start PERO, then press button to activate the device.
PERO is designed to be able to handle the device more efficiently and quickly.

**STRUCTURE OF
THUMB PART**

SILICON CASE

CAPACITIVE TOUCH

TOUCH SENSOR

PRESS

PRESS BUTTON

#Touchpanel
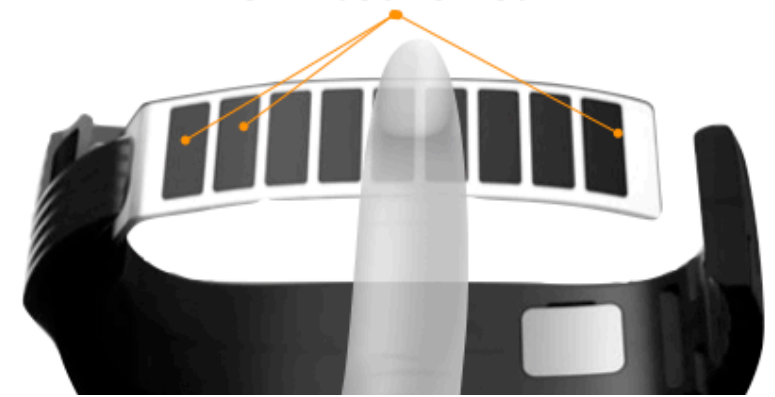## Touching Roughly,
Recognizing accurately.

PERO's palm-side is entirely covered by Capacitive Touch Sensor.
So PERO can recognize all fingers easily.
PERO can recognize finger pressures accurately wherever you touch it.
Besides, PERO does not react unless it is fingers.

MULTI & SIMULTANEOUSLY TOUCH INPUT
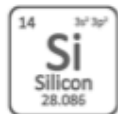
INSIDE OF PALM PART

MULTI TOUCH SENSOR

#Silicon Uni-body
A comfortable fit to hand,
Flexible wearable device.

For comfort wearing, we used silicon that known as human-friendly.
Specifically, silicon patterns improve hand adhesion and reduce
pressures.

SILICON CASE

14	3s² 3p²
Si	
Silicon	
28.086	

**HIGH ELASTICITY
LOW PRESSURE
PATTERN DESIGN**

#Whatever
Whatever systems you use, From old PC to Smartphone.

#Simply connect
Use right away, Without any other .

#Easy config
No need of Expert nor Developers. Using PERO

If the device supports Bluetooth 4.0 or higher version, there are no restrictions on the terminal specification or environment.
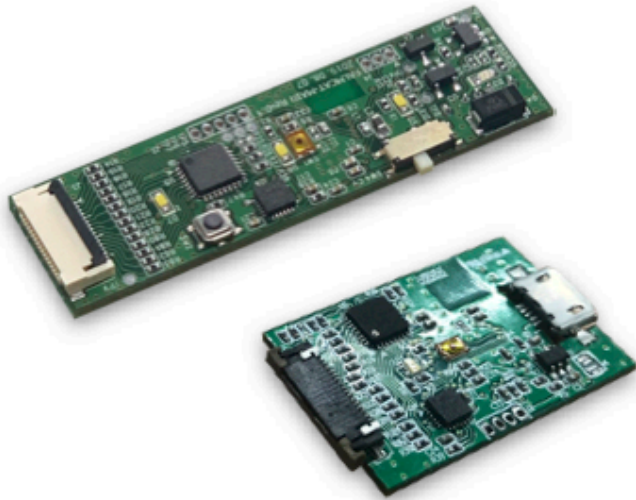In addition, PERO supports communication such as Wifi and RF through module customize.

You can still use the profiles and protocols that your existing device or application used.
Just mapping commands to gestures without developing the additional interface.

We will provide a variety of APIs such as 'programs for systems', 'command sets for several devices' and 'data sheets for custom development'.

APIs and programs are under development and will be distributed in the winter of 2019.

Palmcat motion sensing board
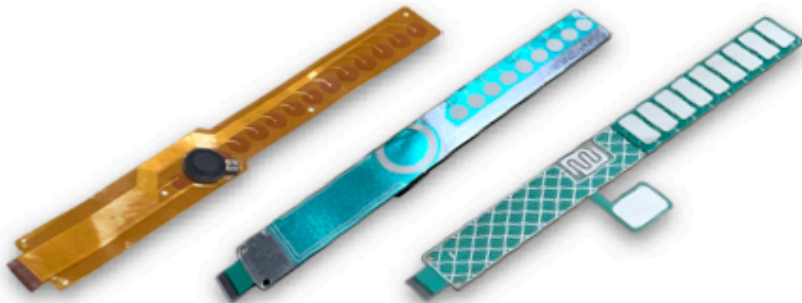

Film type Touch panel

#Motion sensing module
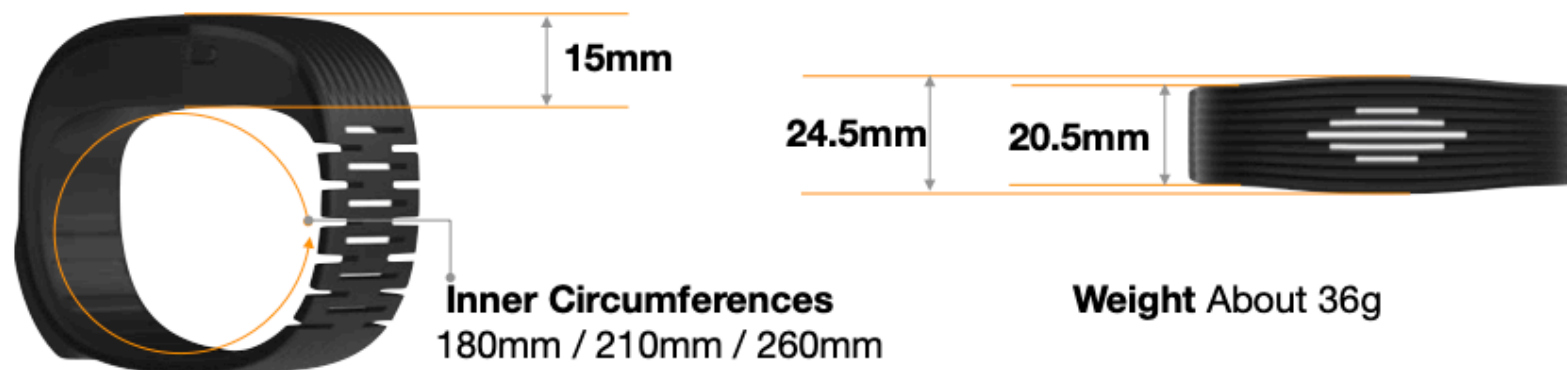# Evolve your product with new Control Method!

Add advanced controls on devices in a wide range of disciplines, including industrial equipment, hobby RCs, drones, leisure gloves and VR/AR devices, to boost your product's competitive edge.

The film-type touch panel can be processed in any form. Also, it is possible to manufacture suitable for all environment and UX.

Specs of pero

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Size

15mm

24.5mm **20.5mm**

Inner Circumferences
180mm / 210mm / 260mm

Weight About 36g

Bluetooth

Version over 4.0
2.4 GHz transceiver
-96 dBm sensitivity in Bluetooth® low energy

Battery

Spec
Li-Po 3.7V 110mAh 0.555Wh
Micro USB 5pin or USB-C

Time
Usage 37 hrs | Standby 166 hrs

Sensor

9X Giro
10ch Touch

Supporting System

PC
Windows / macOS / Linux

Mobile
Android / iOS / Windows

#Contact

Contact us.
Palmcat will answer ASAP!!!

Video http://video.palmcat.co.kr
Web http://www.palmcat.co.kr
Mail support@palmcat.co.kr
TEL +82 70 4322 6500

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver
-Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.
-Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

IMPORTANT NOTE :

FCC RF Radiation Exposure Statement:
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.