

# Data Sheet

## FUJITSU IoT Solution UBIQUITOUSWARE

### Vital Sensing Unit IOT003

The Vital Sensing Band (Vital Sensing Unit and Band Type Attachment) helps to provide safer working environments by remotely monitoring the health and safety of workers and issuing alerts when accidents occur.

Information is captured by a sensor worn on the wrist and has the ability to measure environmental factors (location/temperature/humidity) and the vital signs of the worker, enabling central monitoring of a workers safety. The band provides sensory information that ensures increased levels of risk to the worker can be identified and measured using our proprietary algorithms.

Worn by workers in the field, construction or agriculture the band can be used to prevent heat stress based on data gathered from the surrounding environment as well as, monitoring health status helping to improve the worker's wellbeing. The band can also be used to detect falls or other accidents, allowing a proactive response and making the workplace safer.

#### Benefits

- Detect falls by monitoring both acceleration and barometer pressure changes
- Avoid the chances of getting heat stroke by estimating heat stress from pulse, active mass, temperature and humidity



Vital Sensing Unit IOT003



Vital Sensing Unit IOT003 with  
Band Type Attachment  
(sold separately)

# Vital Sensing Unit IOT003

Technical data	
Notes	The product is not for medical use and requires additional software to provide functionality
Wireless connection	Bluetooth® Smart
Chemical resistance	Ethanol, IPA, Hypochlorite
Dustproof	IP5X
Waterproof	IPX5 / IPX7
Resilience	MIL-STD 810G
Sensors	Accelerometer Gyroscope Geomagnetic Barometric pressure Temperature/Humidity Pulse
Special features	
Indicator	Colored LED x 1 (red) Charing, Low Battery indication (Yellow-Green) Power on/off, Battery status check (Orange) Configuration update *Refer to the Instruction Manual for the details.
Operation	Button x 1 Power ON/OFF
Vibration	Built-in
Compliance	
Europe	CE CB
USA/Canada	FCC/IC Class A UL/cUL
Battery Charger	
Battery Charger	Battery Type: Li-ion 145mAh  Battery Life: - Continuous working time approx. 35hrs (battery life will vary depending on the usage)  Charging method: Charging Terminal connecting to dedicate charging cradle, battery is not removable. Charging time = approx. 150 mins
Dimensions / Weight / Environmental	
Dimension details	approx. 1.43 x 1.50 x 0.42 in. (36 x 38 x 10.7 mm)
Weight	approx. 0.63 oz. (18 g)
Operating ambient temperature	32 - 122°F (0 - 50 °C)
Operating relative humidity	20 - 80 %

Warranty

Warranty period	One year international limited warranty
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Order information

FPCSK382AP	CP709997-01	Vital Sensing Unit IOT003
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Contact your local Fujitsu Representative for more information [www.fujitsu.com/us](http://www.fujitsu.com/us)

Accessories

Band Type  
Attachment  
(FPCSK415AP)



Dimensions approx. 1.43 x 1.50 x 0.42 in.  
(36 x 38 x 10.7mm),  
Weight = approx. 0.63 oz. (18 g)

Cradle charger kit (for  
1) - Vital Sensing Unit  
US Plug  
(FPCBC043AP)



Dimensions = approx. 2.34 x 3.06 x 1.34 in.  
(59.5x77.6x34 mm),  
Weight= approx. 2.79 oz. (79g)

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## Fujitsu OPTIMIZATION Services

### Products

[www.fujitsu.com/global/products/](http://www.fujitsu.com/global/products/)  
In addition to the FUJITSU IoT Solution UBIQUITOUSWARE Vital Sensing Unit IOT003, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to at a center solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU IoT Solution UBIQUITOUSWARE Vital Sensing Unit IOT003, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/us](http://www.fujitsu.com/us)

## Fujitsu green policy innovation

[www.fujitsu.com/global/about/environment/](http://www.fujitsu.com/global/about/environment/)  
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