Wearable devices allow hands free operation of tasks enabling the ability to digitize information from people, objects and environments.

The FUJITSU Head Mounted Display IOT001 is the perfect partner for augmented reality environments delivering hands free ease of use to enhance remote support, maintenance and training through the robust industry focussed design. It consists of an adjustable non-see-through display positioned in front of either eye, wearable keyboard, integrated camera and voice control/command. In addition, the device contains a variety of sensors to detect the users’ environment and behaviour.

Productivity and Ease of Use
- Auto adjust brightness judging luminance
- Use for both left & right eyes
- Attachable with safety helmets

Reliability and Robustness
- Water & Dust proof (IPX5/IPX7/IPX8) MIL-810 standard
- Large capacity battery
- Exchangeable battery

Flexibly configurable remote communication tool
- Easy connection to internet & business systems
- Reduced integration time/costs
- Hands free and remote support
# Head Mounted Display IOT001

## Technical data

| Description          | Processor: Qualcomm APQ8026  
                       | Quad Core 1.2GHz  
                       | Operating System: Android 4.4.4 |
|----------------------|-------------------------------------------------|
| Wireless connection  | Bluetooth® Version 3.0  
                       | Bluetooth® Class 2  
                       | Wi-Fi Display: Miracast, HDCP 2.1  
                       | Wi-Fi WEP, WPA/WPA 2, 802.1x EAP |
| Audio                | Mono speaker  
                       | Dual-Mic  
                       | Noise cancellation  
                       | Headphone Jack: 3.5 mm, 4-conductor |
| External storage     | Form: microSD, microSDHC, up to 32 GB  
                       | Bus interface: High Speed UHS-I  
                       | File system: FAT16, FAT32 |
| Chemical resistance  | Ethanol, IPA, sodium hypochlorite |
| Dustproof            | IP5X |
| Spillproof / Waterproof | IPX5 / IPX7 |
| Resilience           | MIL-STD 810G |
| Form                 | Monocular, non see-through |
| Sensors              | Ambient Light Sensor  
                       | Gyroscope  
                       | Accelerometer  
                       | Magnetic Field Sensor |
| Memory               | 2 GB |
| Storage              | 8 GB |
| Camera               | 8.1 M effective pixels, 8 M recording pixels |
Data Sheet FUJITSU UBIQUITOUSWARE Head Mounted Display IOT001

Technical data

Camera notes
- Type: CMOS
- f-number: 2.4
- Autofocus: available (video and image); continuous AF
- Image resolution: 640 x 480, 854 x 480, 1280 x 720, 1920 x 1080 (VGA if synced with GW)
- Image Format: JPEG (extension: jpg)
- Video resolution: 3,264 x 2,448, 3,264 x 1,840, 2,048 x 1,536, 1,920 x 1,080, 1,280 x 720, 854 x 480, 640 x 480 (FWVGA, HD, FHD, 6M and 8M only if synced with GW)
- Video format: MP4 (extension: mp4)
- Video codec: H.264
- Audio codec: AAC, 16 bit, 48 kHz, 16 kbps
- Video frame rate: 30 fps

Interfaces

USB
- micro USB (Type A/B)
- USB 2.0 High Speed
- MTP mode
- USB Host (USB On-The-Go)

Special features

- Color depth: 24 bit True Color
- Contrast - typical: 150:1
- Viewing angle (h/v) - typical: 26° diagonal / 23° horizontal / 13° vertical
- Brightness - typical: 10 to 1,200 cd/m2
- Diagonal Size: 0.4-inch
- Virtual size: Equal to 15-inch screen in 81 cm from eye
- Dioptr: +1 to -2D
- Eye relief: 30.8 mm
- Resolution (interpolated): 854 x 480 (FWVGA)

Compliance

Compliance link

Keyboard

Keyboard Type
- Wearable keyboard

Keyboard resilience
- Waterproof: IPX5/IPX7
- Dustproof: IP5X
- Chemical resistance: Ethanol, IPA, sodium hypochlorite
- MIL-STD 810G: Yes

Keyboard connection
- Bluetooth® Version 3.0
- Profile HID

Keyboard I/O
- microUSB (Type B)

Keyboard battery info
- 2x AAA alkaline battery
- Runtime: approx. 5 months typical (8h switched on per day)

Keyboard dimension (W x D x H)
- 135 x 68 x 20 mm (W x D x H)

Keyboard weight
- Approx. 73 g (wearable keyboard without fixing band)
- Approx. 25 g (fixing band only)
## Keyboard

### Battery Charger

- **Electric supply:**
  - AC adapter (Input: 100-240V, Output: 12V, 3A)
  - microUSB Type B (Output: DC5V, 900mA)

- **Charging time:**
  - 5.5 hours in case of charging with AC adapter above

- **Dimensions:**
  - 75 x 100 x 47.2 mm (W x D x H) (excluding rubber parts)

- **Weight:**
  - Approx. 105 g

## Dimensions / Weight / Environmental

### Dimension details

<table>
<thead>
<tr>
<th>Display Arm Extended</th>
<th>Display Arm Retracted</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 x 350 x 37 mm</td>
<td>290 x 180 x 60 mm</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main unit &amp; battery</td>
<td>approx. 305 g</td>
</tr>
<tr>
<td>Belts</td>
<td>approx. 72 g</td>
</tr>
<tr>
<td>Helmet attachment clip</td>
<td>approx. 45 g</td>
</tr>
</tbody>
</table>

### Operating ambient temperature

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - 35 °C</td>
<td></td>
</tr>
</tbody>
</table>

### Operating relative humidity

<table>
<thead>
<tr>
<th>Humidity</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 80 %</td>
<td>(relative humidity, non-condensing)</td>
</tr>
</tbody>
</table>

## Order information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EAN</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S26381-K445-L100</td>
<td>4053026462167</td>
<td>Bluetooth Mouse BT3</td>
</tr>
<tr>
<td>S26381-K570-L402</td>
<td>4053026660990</td>
<td>Bluetooth Keyboard LX370 US</td>
</tr>
<tr>
<td>S26391-F7200-L100</td>
<td>4054681938165</td>
<td>HMD IOT001 brown box without case</td>
</tr>
<tr>
<td>S26391-F7200-L200</td>
<td>4054681958512</td>
<td>HMD IOT001 w/case right-eye assembled</td>
</tr>
<tr>
<td>S26391-F7200-L210</td>
<td>4057185512022</td>
<td>HMD IOT001 w/case left-eye assembled</td>
</tr>
<tr>
<td>S26391-F7200-L500</td>
<td>4054681958538</td>
<td>HMD IOT001 Battery Pack</td>
</tr>
<tr>
<td>S26391-F7200-L501</td>
<td>4054681958545</td>
<td>HMD IOT001 Charger Set</td>
</tr>
<tr>
<td>S26391-F7200-L502</td>
<td>4054681958552</td>
<td>HMD IOT001 Soft Parts</td>
</tr>
</tbody>
</table>
More information

Fujitsu OPTIMIZATION Services
In addition to FUJITSU UBIQUITOUSWARE Head Mounted Display IOT001, 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 datacenter 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/

Software
www.fujitsu.com/software/

Fujitsu green policy innovation
Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

More information
Learn more about FUJITSU UBIQUITOUSWARE Head Mounted Display IOT001, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website: www.fujitsu.com/fts/accessories

Copyrights
All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see www.fujitsu.com/terms
© 2015 Fujitsu Technology Solutions GmbH

Disclaimer
Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact
Fujitsu Technology Solutions GmbH
Website: www.fujitsu.com/fts
2015-12-08 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see www.fujitsu.com/terms
© 2015 Fujitsu Technology Solutions GmbH