

Data Sheet

FUJITSU UBIQUITOUSWARE Head Mounted Display IOT001

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 behavior.



Productivity and Ease of Use

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

Reliability and Robustness

- Water and Dust proof (IPX5/IPX7/IPX5X) MIL-810 standard
- Large capacity battery
- Exchangeable battery

Flexibly configurable remote communication tool

- Easy connection to the Internet and 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 compatibility Profiles: HFP v1.1 (HS only); HID v1.1 Bluetooth Class 2 Wi-Fi Display: Miracast, HDCP 2.2 Wi-Fi WEP, WPA/WPA 2, 802.1x EAP Wi-Fi protocol IEEE802.11 a/b/g/n (2.4GHz, 5GHz)
Audio	Mono speaker Dual-Mic 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
Camera notes	Autofocus: available (video and image); continuous AF Image resolution: VGA (640x480), FWVGA (854x480), HD (1280x720), FHD (1920x1080), 3M (2048x1536), 6M (3264x1840), 8M (3264x2448) (Only FWVGA, HD, FHD, 6M, 8M if synced with Image Format: JPEG (extension: jpg) Video resolution: VGA (640x480), FWVGA (854x480), HD (1280x720), FHD (1920x1080) (Only VGA if synced with GW) Video format: MP4 (extension: mp4) Video codec: H.264 Audio codec: AAC

Interfaces

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

Color depth	24 bit True Color
Contrast - typical	130:1
Viewing angle (h/v) - typical	26° diagonal +/-5%
Brightness - typical	10 - 1,200 cd/m ²
Diagonal Size	0.4-inch
Virtual size	Equal to 15-inch screen in 81 cm from eye
Dioppter	+1 to -2D

Eye relief	1.21 in. (30.8 mm)
Resolution (interpolated)	854 x 480 (FWVGA)

Compliance

Europe	CE CB
USA/Canada	FCC Class A UL/cUL

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 compatible 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)	5.31 x 2.68 x 0.79 in. (135 x 68 x 20 mm) (W x D x H)
Keyboard weight	Approx. 3.35 oz. (95 g) (wearable keyboard without fixing band) Approx. 0.91 oz. (26 g) (fixing band only)
Battery Charger	Electric supply: AC adapter (Input: 100-240V, Output: 12V, max. 900mA) microUSB Type B (Output: DC5V, 500mA - max. 900mA) Charging time: 5.5 hours in case of charging with AC adapter above Dimensions: 2.95 x 3.94 x 1.86 in. (75 x 100 x 47.2 mm) (W x D x H) (excluding rubber parts) Weight: Approx. 3.70 oz. (105 g)

Dimensions / Weight / Environmental

Dimension details	15.75 x 13.78 x 1.46 in. (400 x 350 x 37 mm) (W x D x H) display arm extended 11.42 x 7.1 x 2.36 in. (290 x 180 x 60 mm) (W x D x H) display arm retracted
Weight	Main unit and battery: approx. 10.76 oz. (315 g) Belts: approx. 02.75 oz. (78 g) Helmet attachment clip: approx.)2.33 oz. (66 g)
Operating ambient temperature	41 - 95°F (5 - 35 °C)
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

Order information	F-Code	Part Number	Description
	FPCSK342AP	CP695448-01	Head Mounted Display
	FPCBP478AP	CP693951-01	Battery Pack
	FPCBC041AP	CP693953-01	Battery Charger
	FPCSK339AP	CP694522-01	Fitting Belt
	FPCSK340AP	CP694524-01	Helmet Attachment
	FPCSK338AP	CP694520-01	Wearable Keyboard
	FPCSK341AP	CP694526-01	Mono Earphone

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Software

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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

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FPC65-7695-01 04/17.
17.0214.0122bh

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