FUJITSU

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 focused 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 & right eyes
- Attachable with safety helmets

Reliability and Robustness
- Water & Dust proof (IPX5/IPX7/IPX5X) 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 compatibiity 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 protocoll 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
Water resistant	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 reslution: 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)

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/m2
Diagonal Size	0.4-inch
Virtual size	Equal to 15-inch screen in 81 cm from eye

Diopter	+1 to -2D
Eye relief	30.8 mm
Resolution (interpolated)	854 x 480 (FWVGA)

Compliance

Europe	CE CB
USA/Canada	FCC Class A UL/cUL
Compliance notes	The person, who installs the router outdoors, has to ensure that only 2.4 GHz band or an upper sub-band 5.4 - 5.7 GHz band is used, and that 5.15 - 5.35 GHz band is disabled. The Head-Mounted Display can then only operate in harmonized frequency band outdoors.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

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)	135 x 68 x 20 mm (W x D x H)
Keyboard weight	Approx. 95 g (wearable keyboard without fixing band) Approx. 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:
	    75 x 100 x 47.2 mm (W x D x H) (excluding rubber parts)
	Weight:
	    Approx. 105 g

Dimensions / Weight / Environmental

Dimension details	400 x 350 x 37 mm (W x D x H) display arm extended 290 x 180 x 60 mm (W x D x H) display arm retracted
Weight	Main unit & battery: approx. 315 g Belts: approx. 72 g Helmet attachment clip: approx. 64 g
Operating ambient temperature	5 - 35 ℃
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

Order information

	S26391-F7200-L100	EAN: 4054681938165	HMD IOT001 brown box without case
	S26391-F7200-L200	EAN: 4054681958521	HMD IOT001 w/case right-eye assembled
	S26391-F7200-L210	EAN: 4057185512022	HMD IOT001 w/case left-eye assembled
	S26391-F7200-L500	EAN: 4054681958538	HMD IOT001 Battery Pack
	S26391-F7200-L501	EAN: 4054681958545	HMD IOT001 Charger Set
	S26391-F7200-L502	EAN: 4054681958552	HMD IOT001 Soft Parts
	S26391-F7200-L503	EAN: 4057185567886	Hard Case for HMD IOT001

Warranty

Warranty period	2 years
Warranty type	Please contact your Fujitsu sales representative for regional specific warranty terms.

Warranty

Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Service Weblink	http://www.fujitsu.com/fts/services/support

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/

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

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

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