realwear

HMT-1® World's first hands-free Android™ tablet class wearable computer for industrial workers.

FROST & SULLIVAN 2017 New Product Innovation Award for Industrial Wearables

Free your hands.™

Safer. Faster. Smarter.

The RealWear® HMT-1 provides the foundation for Connected Worker programs. Use it in wet, dusty, hot, dangerous and loud industrial environments. A fully rugged head-mounted device, it optionally snaps into safety helmets or attaches to bump caps and can be used with safety glasses or corrective eyewear.

The high-resolution micro display fits just below your line of sight and views like a 7" tablet. It's an industrial dashboard: there when you need it and out of your way when you don't.

The HMT-1 works with powerful software applications from our solution partners in four core categories, each optimized for completely hands-free voice control. That means no scrolling, swiping, or tapping - just simple voice commands.Use it for remote mentor video calling, document navigation, guided workflow, mobile forms and industrial IoT data visualization.

Fully Rugged Performance

100% HANDS FREE
Voice based operating system, local speech recognition in loud areas

UNMATCHED NOISE CANCELLATION
Four digital microphones and advanced algorithms

POWERFUL AUDIO
Integrated speaker and 3.5mm audio jack for use with hearing protection

PPE COMPATIBLE
Designed to work with standard hard helmets, bump caps and safety glasses

FULL SHIFT INTERNAL BATTERY
Field swappable for continuous use

OUTDOOR DISPLAY
Appears size of 7" tablet, viewable in bright sunlight

WATERPROOF
IP66 – Protected against heavy seas or powerful jets of water

DUST TIGHT
IP66 – Complete protection against the ingress of micro particles

DROP PROOF
Resistant to 2 meter drops onto concrete from any angle

BUILT RUGGED
Fully operational from -20° C to +50° C
MIL-STD-810G

For ATEX Zone 1/FMC1/D1 Intrinsically Safe model contact RealWear at sales@realwear.com | realwear.com

Version 22.1 20180710

Core Platform & Functions	
Operating System	Android 6.0.1 (AOSP) + WearHF™ hands-free interface
Chipset	2.0 GHz 8-core Qualcomm® Snapdragon™ 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenCL 2.0
Memory	16 GB Internal Storage / 2 GB RAM / MicroSD slot (max card supported 256 GB)
Included Applications	Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player
Languages Supported	English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean

Connectivity & Sensors	
Bluetooth	BT 4.1 LE (Low Energy)
Wi-Fi	802.11 a/b/g/n/ac – 2.4GHz and 5GHz
GPS and Location	GPS, GLONASS, A-GPS
IMU	9-DOF (3-axis accelerometer, magnetometer, and gyroscope), software enhanced stabilization

Battery	
Capacity	3250 mAh Li-Ion, rechargeable and field swappable
Battery Life	Full shift (9-10 hrs) with typical use

Physical Characteristics	
Weight	380 g
Ruggedization	2 meter drop, IP66, MIL-STD-810G
Dedicated Keys	Power key, application specific Action key
Ports	3.5mm audio, 1 micro-USB, 1 USB Type-C
Boom Arm	Adjust six ways for all head sizes, left or right eye compatible, display flips out of way when not in use

Display	
Type	20° field-of-view, 1 meter fixed focus 24-bit color LCD, 0.33 inch diagonal, outdoor visible
Resolution	WVGA (854x480)

Audio	
Microphones	4 digital microphones with active noise cancellation Accurate voice recognition even in 95 dBA of typical industrial noise
Speaker	Internal 91 dB loudspeaker

Multimedia	
Camera	16 MP 4-axis optical image stabilization, PDAF with LED flashlight
Video	Up to 1080p @30fps. Codecs: VP8, VP9 and hardware encoding support for H.264, H.265 HEVC

Accessories	
Included	Battery Wall Charger, USB Type-C Charging Cable
Optional	Spare Battery, 6 Battery Multi-Charger, Hard Hat Clips, Bump Cap and Tri-Band Strap, Ear Bud Hearing Protection Headphone rated at 33dB noise reduction rating (NRR), Soft Pouch Carrying Case, Semi Rigid Carrying Case, replacement Overhead Straps and Rear Pads

RealWear, HMT-1, "Free your hands", and "WearHF" are trademarks of RealWear, Inc. Android is a trademark of Google Inc. Qualcomm, Snapdragon and Adreno are trademarks of Qualcomm Incorporated, registered in the United States and other countries. All third party trademarks used with permission.
©2018 RealWear Inc. All rights reserved.