realwear. HMT-1®

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

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.

100% Hands Free
Voice based operating system with 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.

Water Proof
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

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 hours) with typical use

Physical Characteristics

Weight	380g
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

Microphone	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