HoloLens 2 Industrial Edition Datasheet

HoloLens 2 Industrial SKU was created with operational safety in mind to help keep your eyes up and your hands on the job with full situational awareness. As part of listening, and always learning, we have heard strong demand for a HoloLens 2 that can operate in regulated environments that have rigorous requirements and certification standards. For example, in the semiconductor and pharmaceutical industries, partners require a device that meets particle emissions standards that can enter and operate in their highly controlled clean room environments. In the energy sector, partners need a device that can function safely in environments where ignitable concentrations of hazards exist under abnormal operation conditions.

Device features:

- Meets particle emissions standards for ISO 14644-1 Class 5 clean rooms.
- Suitable for use in Class I, Division 2-Groups A, B, C, and D HAZLOC environments

Added benefits:

HoloLens 2 Industrial Edition is supported with a 2-year warranty and rapid replacement program.

Device Specifications:

Software	Windows Holographic Operating System	**Wireless**	Wi-Fi 802.11ac 2x2 Bluetooth 5.0	
Weight & Fit	566 grams	**Audio**	**Microphone array:** 5 channels **Speakers:** Built in spatial sound	
Display	**Optics:** See-through holographic lenses (waveguides). **Holographic resolution:** 2k 3:2 light engines **Holographic density:** >2.5k radiants (light points per radian) **Eye-based rendering:** Display optimization for 3D eye position	**Physical Buttons**	Power button Volume up/down Brightness up/down	
		Ports	USB Type-C	
Sensors	**Head tracking:** 4 visible light camera **Eye tracking:** 2 Infrared (IR) cameras **Depth:** 1-MP Time-of-Flight depth sensor **Inertial measurement unit (IMU):** Accelerometer, gyroscope, magnetometer **Camera:** 8-MP stills, 1080p30 video	**Power**	Battery Life - 2-3 hours of active use Up to 2 weeks on standby mode Fully functional when charging. Passively cooled (no fans). Power draw – to maintain/advance Internal Battery Charge Percentage while the device is on, it must be connected minimum to a 15W charger.	
Compute & Memory	**System on chip:** Qualcomm Snapdragon 850 Compute Platform - Second-generation custom-built holographic processing unit. **Memory:** 4-GB LPDDR4x system DRAM	**Storage**	64-GB UFS 2.1	

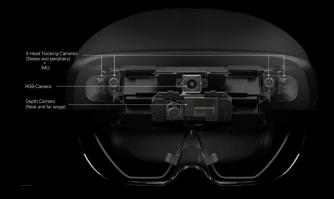|			
What's in the box	**Brow pad:** You can remove and replace the brow pad, as needed. **Overhead strap:** When you're wearing the HoloLens while moving around, use the overhead strap to help keep the device in place. When wearing the HoloLens for extended periods, the overhead strap may make the device more comfortable to wear. **USB-C cable:** Use the USB-C cable to connect your HoloLens to the power supply for charging, or to connect your HoloLens to your computer. **Power supply:** Plugs into a power outlet. **Microfiber cloth:** For visor cleaning.	**Pre-installed software**	3D Viewer Cortana Dynamics 365 Remote Assist (License Required) Dynamics 365 Guides (License Required) Feedback Hub File Explorer Mail and Calendar Microsoft Edge Microsoft Store Movies & TV OneDrive Photos Settings Tips

Device capabilities:

Environment Understanding

Hand tracking	Two-handed fully articulated model, direct manipulation
Eye tracking	Real-time tracking
Voice	Command and control on-device; Cortana natural language with internet connectivity

Human Understanding

Six Degrees of Freedom (6DoF) tracking	World-scale positional tracking
Spatial mapping	Real-time environment mesh
Mixed reality capture	Mixed hologram and physical environment photos and videos

Transforming Manufacturing

Over the years, we have engaged countless enterprises to identify the primary mixed reality use cases will benefit the manufacturing industry. From improved onboarding and upskilling of employees to increased operational efficiency to reduced errors and waste, mixed reality is transforming manufacturing.

We've identified 3 use-cases that are transforming enterprises:

Enhancing collaboration and unlock innovation

Connect workers with experts anywhere in the world to reduce downtime and maintenance costs and quickly resolve issues.

Increase worker productivity

Increase worker productivity with mixed reality visual guidance, including checklists and step-by-step instructions.

Improve first-line onboarding and upskilling

Onboard new employees faster, upskill existing workers, and increase knowledge retention.

HoloLens 2 offerings

	HoloLens 2		HoloLens 2 Industrial Edition	
Target Audience	Enterprise Line of Business		Controlled Industrial Environments	
ISO 14644-1 Class 5 clean room classification			☑	
Class I, Division 2- Groups A, B, C, and D HAZLOC environments				
Hardhat integrated (PPE compliant in 40+ countries				
Noise-cancelling audio output				
Developer entitlements				
Rapid-replacement program				
Commercial Use Rights				
Warranty	1-year		2-year	