# PICO G3

As PICO's latest 3DoF All-in-One VR headset which firstly adopts XR2 chipset , G3 will target at Enterprise market. It brings stronger performance, vivid display, larger battery capacity and higher refresh rate to meet higher demands of customers . Meanwhile, the newest PICO OS ensures business continuity and enables realistic experience in the virtual world.

## Best 3DoF Performance

- **Strong Performance:** Powered for 3DoF enterprise applications, the PICO G3 includes the Snapdragon™ XR2 processor with 128GB storage and 6GB LPDDR4X RAM which brings faster speed and smoother experience.

- **Proactive Cooling :** The PICO G3 is equipped with a built-in fan to ensure stable CPU performance and stability when performing VR applications.

- **Large battery capacity :** With a 5300mAh battery and QC3.0 fast charging supportive , the PICO G3 can run applications non-stop for multiple hours and guarantees the continuity of use in multiple business scenarios.

## Full HD display

- **Fresnel Lenses:** The PICO G3 features a Fresnel lens set, which suppresses distortion and dispersion. It also corrects the halo effect caused by stray light, which takes place when using ordinary Fresnel lens in a dark environment. With the G3 lens, you can enjoy immersive audio-visual and visual experiences without being interrupted by glare.

- **Millimeter-level IPD adjustment:** The PICO G3 includes a physical 3-position IPD (Inner Pupillary Distance) adjustment setting for the lenses, 58mm,63.5mm,69mm, which helps provide a clear image to reduce dizziness and eye strain.

- **High Resolution:** Featuring a high-density display with a combined resolution of 4K (3664X1920) at 773 pixels per inch (PPI), the Pico G3 provides depth, clarity and smoothness when experiencing VR content.

- **Adjustable Refresh Rate:** Supporting 72Hz and 90Hz refresh rate, the G3 can adjust its visual performance to match the needs for various VR applications.

- **Low blue light mode:** With TUV certification, users can choose 'eye protection' in the setting based on personal preference.

## Security and trust

- **Hardware and System security :** SoC with ARM Trustzone technology and enhanced kernel security build a trusted HMD.

- **Device-side data security :** PICO OS supports all kinds of encryption based on Android , and provides computing and algorithm security.

- **Online Service and Data Security :** Infrastructure, data transmission and storage security enable stable online service

- **Business software and services security :** Optional choices of different business software and platforms under the whole system security.

- **Updates and Management :** Clear policies, procedures and requirements are set up to manage all upgrades ,patches and incident responses.

## Ecosystem

- **MDM:** For multiple devices and content deployment within IT infrastructure, PICO G3 is compatible with a wide range of MDM partners.

- **PICO Business Store:** Rich content partner ecosystem, PICO Business store empowers enterprise users' business success. Besides, PICO will provide a private enterprise store option that can be deployed internally so that users can obtain applications that are whitelisted by administrators(in plan).

- **Pico Business Suite:** For advanced customization, administrators can leverage the built-in PICO Business Suite to enable extra settings and configurations for system functions. Features include customizing the homescreen, enabling kiosk mode, and controlling and streaming content among multiple devices.

### SDK & PICO OS

- **Enterprise SDK:** The PICO G3 includes an enterprise SDK which provides low-level APIs to control the headset and implement advanced functions. The enterprise SDK supports development with Unity, Unreal, OpenXR, WebXR.

- **Account Access:** PICO G3 enables users to quickly launch applications without the need for account registration or social logins, making the deployment of headsets faster and easier for the enterprise. (Account needed only if for Business store download).

- **PICO OS :** The PICO G3 comes with the latest PICO OS which provides a more friendly UI to enable users to interact with the operating system at ease, especially those who have no VR experience.

### Balanced and Ergonomic design

- **Ergonomic Design:** The PICO G3 is designed to feel light and comfortable around the head with its balanced formfactor that includes a front HMD and a rear battery pack.

- **Easy to Clean:** The hygienic and detachable face cushion with the PICO G3 allows users to easily clean the face cushion from both sides after each use.

- **Glasses friendly :** The PICO G3 is designed to accommodate the use of glasses without any additional pressure on the face, making it more inclusive for users that need prescription glasses to see.

## Specifications

### Computing platform

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|---|---|
| CPU | Qualcomm Snapdragon XR2 |
| RAM | 6GB LPDDR4X, 6400MHz |
| ROM | 128GB, UFS3.1 |
| OS | Android 10 |

### Display

| | |
|---|---|
| Resolution | 1832 × 2160 per eye at 773 PPI with a combined resolution of 3664 × 1920 |
| Refresh Rate | 72/90Hz |

### Optics

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|---|---|
| FOV | 98° |
| Lens | Fresnel ,PMMA |
| IPD | Manual adjustment, 58mm,63.5mm, 69mm |

### Accessories

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|---|---|
| Controllers | 3DoF*1 |
| Face cushion | PU,magnetic suction |
| Alkaline Batteries / Glasses Spacer / Nose Pad / USB-C Power Adapter / USB-C to C 2.0 Data Cable | |

### Charging

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|---|---|
| Charging | Qualcomm quick charge 3.0, with separate charger |
| Battery capacity | 5300mAh, 2.0-2.5h |

### Design

| | |
|---|---|
| Weight | 604 grams / 1.33 lbs |
| Dimension (W × D × H) (mm) | 125mm (length) × 190mm (width) × 112mm (height) |

## PICO Offerings & Services

### Warranty

1-year warranty which includes coverage for the headset, controllers, face cushion, power adapter and USB cable.

### After-sales technical support

Technical support is provided for hardware, software and SDK needs, subject to certain limitations, conditions and restrictions.

https://business.picoxr.com