

JBL AR GLASSES

Sleek and stylish

Bring the future to your everyday life.

Visit Website

EDM Download

MetaSpace

J8L Feature

- Great weight distribution lift weight off user's nose.
- Flexible temple design conforms to head shape.
- Nose pad design fit for every nose.
- Privacy and high quality audio performance

- Intuitive and Immersive Interactions
- Spatial Computing Experience
- Time Of Flight camera: Object anchoring
- Image camera: AI recognition
- 9-Axis IMU sensor: 3 DoF/6 DoF(SW)

Item	Specification	Supplementary
Optical system	LetinAR FrontAR™ Pro	Optical see-through
Resolution	1920 × 1080p	Full color
FOV	(D)45° (H)40° (V)21°	
Transmittance	60 % (center)	
Image camera	BMP FF, FOV 84°	Fixed focus, depth 0.5m~1.5m
Depth camera	TOF	Applied on gesture tracking
Sensor	3 DoF	
	Light sensor	
Speaker	82±3dB/mW/cm, 16Ω	Both sides, 20Hz~20kHz of 40mW without any hiss or noise
MIC	SPL 94dB, SNR 65dB	Both sides
Host interface	USB3.0	Support display port and power delivery
Controller	Buttons on glasses temples	
IP Code	IP54	
Weight	Around 80g	
Software	SDK for Windows 10 Notebook and Android smartphones Support MAC and iPhone for displaying image and video only	

J7M

Modularized

Optics	Solution	Binocular See-Through Display
	Display Type	0.453" Si-OLED display
	Resolution	FHD (1920 x 1080)
	FOV	34° (120 inch at 5m)
	Display Distance	5M
	Brightness	Typ. 1000 cd/m2

Sensor	Accelerometer Gyroscope	Compass Ambient light
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Options (Module)	Camera ToF (Time of Flight) Eye tracking	Headband BT Speaker Gestures
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J7i

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Smart Factory Remote Collaboration

- Industry 5.0 AI + AR activated.
- AIOT Intelligent Factory, AR image with real-time information.
- Remote collaboration, real-time communication with high efficiency.

AR Augmented Reality Surgical Navigation

Accurate, Safe and Efficient Healthcare for the Future

- AR augmented reality surgical navigation, high precision.
- Endoscopic Surgery, Real-time Imaging and Intuition.
- Da Vinci Telesurgery, No Limitations on long distance.

Interactive AR platform

Simplified operation with intuition

- Gesture-activated hovering window
- Graphic design, easily understood at a glance
- Open platform for collaborative development

Optical system design

- Optical design in near-eye devices
- Optical design in eyepieces / projectors
- Integration and inspection of optical system

Presence Sensor

User Behavior Analysis with 60GHz Low-Power, mmWave Radar Sensors

- Zone Positioning
- Multi-Person Detection
- Ultra-High Precision
- Multi-Ecosystem Support
- Flexible Placement
- Built-In Light Sensor
- Local Automations

- Fall Detection
- Instant Alert System
- Motion Detection
- Location Tracking

MT5C01-00 - 60GHz mmWave Radar Sensor

Industrial IOT

Feature & Specification

- Built-in 3RX and 2TX Antenna
- Integrated frequency synthesizer: 60~64 GHz
- ARM Cortex M4F MCU @160 MHz
- Interface: UART · RS232 · SPI · CAN · I2C
- 5V/1A Power input
- 1.27 mm pin header
- Temperature range: -40~85° C
- Internal USB to UART bridge for demonstration
- Dimensions: 31.5 mm x 24 mm x 2.2 mm
- Small Form Factor Module, Low Power and High Performance
- Average power consumption of <2mW to 25mW+ (depending on duty cycle)

Jorjin Antenna Spec.

Azimuth FOV : 120°	Gain : 6dBi
Elevation FOV : 100°	Bandwidth : 7GHz (target)
Azimuth Angle Resolution : <30°	Frequency : 57-64GHz (target)

Pinout & Pin Define

1 VSYS_IN	9 RS232_RX
2 VSYS_IN	10 GND
3 GND	11 S0P0
4 NRST	12 S0P1
5 INTR	13 SPI_MISO
6 UART_RX / CAN_RX	14 SPI_MOSI
7 UART_TX / CAN_TX	15 SPI_CLK / I2C_SCL
8 RS232_TX	16 SPI_CS / I2C_SDA

WG7A01-00 - 2.4GHz Wi-Fi6/BLE 5.3 SiP Module Overview

Industrial IOT

Feature & Specification

- Highly optimized Wi-Fi 6 and BLE 5.3 system for low cost embedded IoT applications
- Multirole support e.g. STA and AP to connect directly with other Wi-Fi devices on different RF channels
- External coex interface to connect to Thread/Zigbee radio
- Application throughput up to 50 Mbps
- Temperature range: -40~85° C
- Package LGA-65
- Dimensions: 11 mm (L) x 10 mm (W) x 2 mm (H)
- Certification (Planned): CE/FCC/IC/TELEC

Bluetooth® Low Energy 5.3

- Bluetooth 5.3 supporting long-range and high-speed PHYs (up to 2 Mbps)
- Host controller interface (HCI) transport for Bluetooth with option for UART
- Bluetooth Low Energy certified stack

Wi-Fi6®

- MAC, Baseband and RF Transceiver with support for IEEE 802.11 a/b/g/n/ax Wi-Fi6
- Integrated 2.4-GHz PA for complete WLAN
- Solution with up to 20dBm output power
- Medium access controller (MAC)

Building Automation

Medical

Home Appliances

EV charging infrastructure

MetaSpace M3

Jorjin AR Glasses / Real-time Multiple Interaction
One-click Switching / AR Conference / Distance Learning

MetaSpace M1

Jorjin AR Glasses / Varjo MR HMD
Smart Office / Meta Theater / Live Show