

Android Wearable Computer

TG03 ALL IN ONE Android Wearable Solution

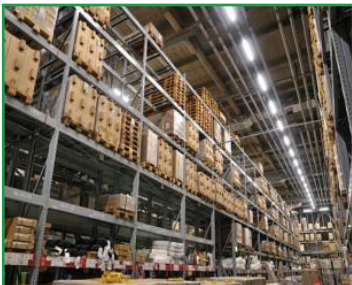


Free your hands and boost productivity—TG03 is your best choice. As the world's lightest enterprise-grade Android wearable device, the TG03 features a modular design weighing only 105 grams.

Lightweight, compact, and comfortable to wear, it delivers a truly integrated wearable scanning experience. Ideal for a wide range of workflows where hands-free operation is essential for efficiency and safety, the TG03 significantly enhances productivity and workplace safety for businesses.



Application



The All-in-One Android Wearable Computer enables hands-free efficiency and accuracy in warehouse, logistics, manufacturing, retail, and field operations.



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Modular Design

Featuring a modular design with a removable, hot-swappable battery and an 800-lumen industrial-grade capacitive multi-touch screen, it offers excellent visibility even in direct sunlight.



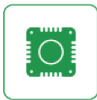
Wireless Connectivity

Dual-band Wi-Fi (2.4GHz/5GHz), supporting 802.11 a/b/g/n/ac standards for stronger signals, enhanced stability, and faster data transmission.



Durable Battery Life

Designed with low power consumption and equipped with a robust 2600mAh battery, it meets IP68 industrial protection standards and withstands 1.5-meter drops, ensuring lasting durability.



High-Speed Performance

Powered by a deeply customized Android 14 operating system, an ultra-fast 2.2 GHz octa-core AI processor, and 4GB RAM with 64GB storage, it efficiently handles multiple tasks simultaneously, making it ideal for mobile information processing.



Efficient Barcode Scanning

Equipped with an industry-leading scan engine for precise, rapid, and effortless reading of various 1D and 2D barcodes across multiple surfaces.



Hands-Free Design

Ergonomically designed for compactness and comfortable wear, it frees workers' hands entirely, accelerating tasks and boosting productivity by over 30%.

Technical Parameters

Physical Specification

| | | | |
|------------------------|---|--------------|---|
| Physical Specification | Host size: 60*52*16 Unit: mm Base size: 78*68*24 Unit: mm | Notification | Scan notification: scan prompt (red, green, blue) / audio prompt Charging prompt: three-color light: red light indicates charging, green light indicates full. |
| Weight | 105g (host without gloves) | | |
| Camera | 8 megapixels, auto focus | Sound | External speaker, maximum volume can reach more than 90db |
| Touch panel | Corning Gorilla Glass, industrial OLED screen, multi-point capacitive touch | Vibration | With vibration motor |
| Battery | Lithium battery 3.7 V power supply, 2600mAh, removable battery | Buttons | 3 function buttons on the front Power button: long press to turn on and off function Scan button; |
| Charging | Bottom charger, 5V/1A | Interface | 10 pogopin interface at the bottom |

Scanning performance

| | |
|-------------------|--|
| Field of view | Horizontal: 42°; Vertical: 28°; |
| Detection angle | Tilt angle $\pm 60^\circ$, Skew angle $\pm 45^\circ$, Rotation angle 360° |
| Scanning accuracy | $\geq 3\text{mil}$ |
| Scanning rate | 50 fps |
| Resolution | 1280×800 |
| Supported codes | Supports both 1D and 2D code reading Scanning distance: 4cm-70cm (depending on different barcode density and code system) Decoding capabilities: UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.; PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, Postal Codes: US PostNet; US Planet; UK Postal; Japan Postal Dutch Postal (KIX) etc. |

Hardware performance

| | |
|------------------|--|
| Processor | ARM Cortex-A76 2.2GHz |
| Operating system | Android 14.0 |
| Memory | 64GB ROM + 4GB RAM |
| Resolution | 320*600 OLED screen |
| Brightness | 800 lumens |
| LED indication | R, G, B |
| Bluetooth | Bluetooth5.0. Support BLE |
| Wireless LAN | Wifi 802.11 a/b/g/n/r/ac 2.4G+5G, Support fast roaming |

Environmental parameters/protection level

| | |
|---------------------|------------------------------------|
| Working temperature | -10-50 ℃ |
| Working humidity | <80% |
| Drop | 1.2 meters on six sides |
| Tumble | 0.5 meters on the ground 500 times |
| Protection level | IP68 |

Accessories

Standard Accessories



Host



Gloves



Charging Base



Data Cable