

DOOGEE DOOGEE Blade 20

# DOOGEE Blade 20 Rugged Smartphone User Manual

Model: DOOGEE Blade 20

## INTRODUCTION

The DOOGEE Blade 20 is a robust and intelligent rugged smartphone designed for demanding environments and efficient daily use. It features the latest Android 15 OS with integrated Gemini AI for enhanced interactions, a massive 10300mAh battery for extended endurance, and a vibrant 6.6-inch HD+ 90Hz display. Built to withstand drops, water, and dust with IP68/IP69K and MIL-STD-810H certifications, it combines durability with high performance, including an octa-core processor, ample RAM, and expandable storage. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1: DOOGEE Blade 20 Rugged Smartphone, showcasing its robust design and display.

## INITIAL SETUP

### Package Contents

- DOOGEE Blade 20 Smartphone
- USB Type-C Cable
- Power Adapter (18W)
- SIM Ejector Tool
- User Manual (this document)
- Screen Protector (pre-applied or in box)

## Inserting SIM/TF Card

The DOOGEE Blade 20 supports dual SIM cards and one TF (microSD) card simultaneously. Locate the SIM tray on the side of the device. Use the provided SIM ejector tool to open the tray. Carefully place your Nano-SIM cards and/or TF card into the designated slots, ensuring correct orientation. Gently push the tray back into the phone until it clicks into place.

# Upgraded 10300mAh Battery, Double the Capacity



**1415** Hours  
Flight Mode



**14.5** Hours  
Movies Watching



**31** Hours  
Music Playing



**2-3** Days  
Business Trip



**Reverse**  
Charging Supported

# 10300



Figure 2: Inserting SIM and TF cards into the DOOGEE Blade 20.

## Powering On/Off

- **To Power On:** Press and hold the Power button (located on the right side) until the DOOGEE logo appears.
- **To Power Off:** Press and hold the Power button, then select 'Power off' from the options displayed on the screen.
- **Restart:** Press and hold the Power button, then select 'Restart' from the options.

## Initial Configuration

Upon first power-on, the device will guide you through the initial setup process. This includes selecting your language, connecting to a Wi-Fi network, setting up your Google account, and configuring security features like fingerprint or face ID. Follow the on-screen prompts to complete the setup.

## OPERATING THE DEVICE



## Display and Navigation

The DOOGEE Blade 20 features a 6.6-inch HD+ display with a 90Hz refresh rate, providing smooth visuals for browsing, videos, and gaming. Navigate the interface using touch gestures: tap to select, swipe to scroll, pinch to zoom. The 90Hz refresh rate enhances the fluidity of on-screen motion.

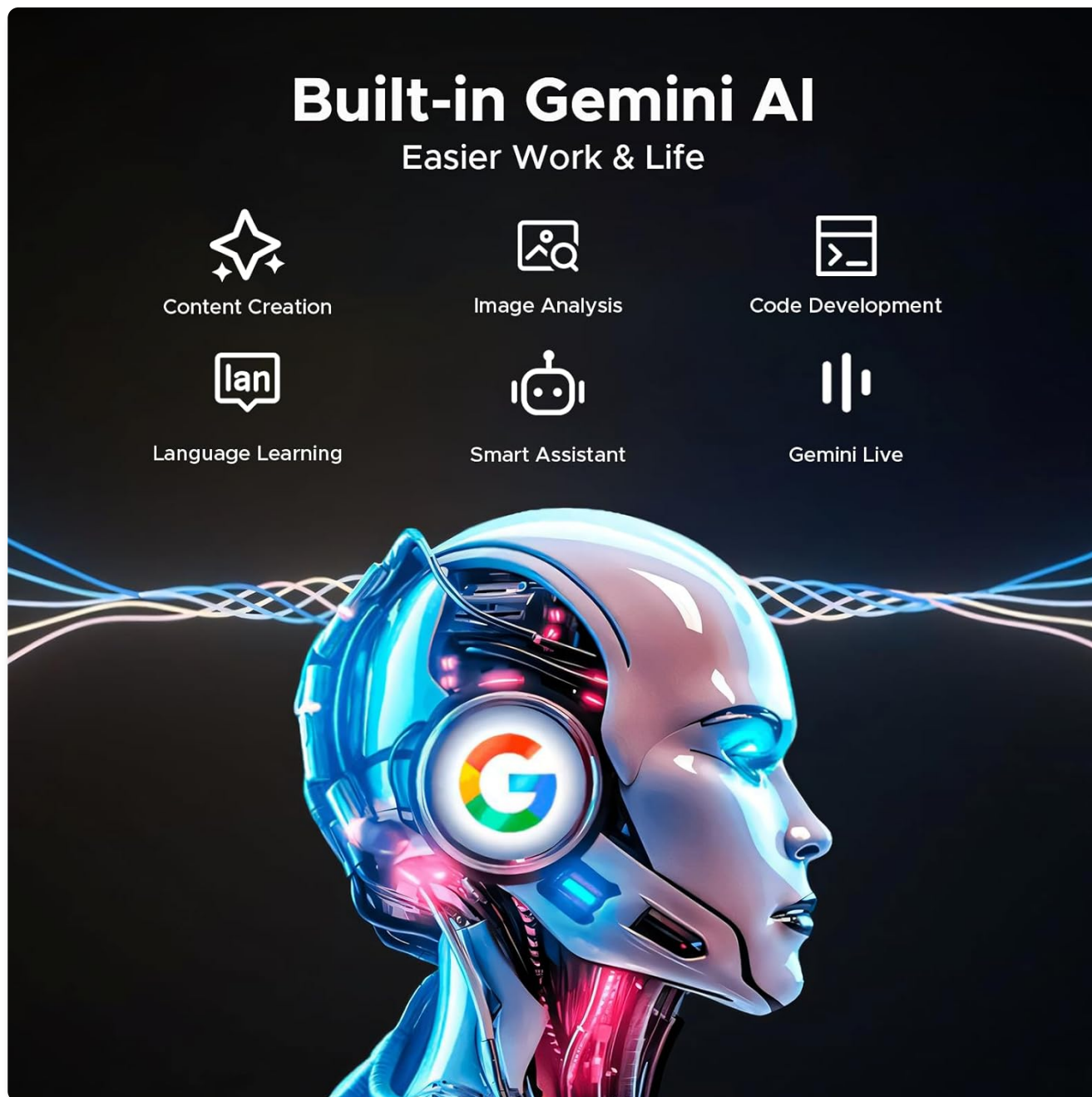


Figure 3: Key features of the 6.6-inch 90Hz display.

## Camera Functions

The device is equipped with a 16MP main camera and an 8MP front camera. It supports AI-powered scene recognition, which automatically optimizes settings for various shooting scenarios (e.g., landscape, food, portrait). Google Smart Camera technology is integrated, allowing for object search, text extraction, and translation directly from the camera interface.

## Battery Management

The Blade 20 is powered by a large 10300mAh battery, offering extended usage times. It supports 18W fast charging for quick recharges and reverse charging, allowing you to use your phone as a power bank for other devices. To optimize battery life, manage background app usage and adjust screen brightness.

# The Latest Android 15 OS

Secure & Private & Personal



Figure 4: Details on the 10300mAh battery and 18W fast charging.

## Performance and Storage

The smartphone is powered by the T7200 octa-core high-performance chip. It comes with 20GB RAM (4GB physical + 16GB virtual) and 128GB of internal storage (ROM). Storage can be expanded up to 2TB using a TF (microSD) card, providing ample space for applications, photos, videos, and files.

# 15.8mm Ultra-slim Body, Business Aesthetic Colors



Compression  
resistance



High-temp  
resistance



Low Density  
& Lightweight



Figure 5: Overview of the Unisoc T7200 processor and memory configuration.

## Gemini AI Integration

The DOOGEE Blade 20 integrates Gemini AI technology, enhancing user interaction through text, image, and voice. This allows for quick task completion, such as scene recognition, summary generation, and efficient problem-solving, improving productivity in various aspects of life and work.

# Unisoc T7200 Octa-core Processor

**Up to 20GB RAM**  
4GB Basic + 16GB Virtual

**128GB ROM**  
2TB Expandable  
(needs to be purchased separately)

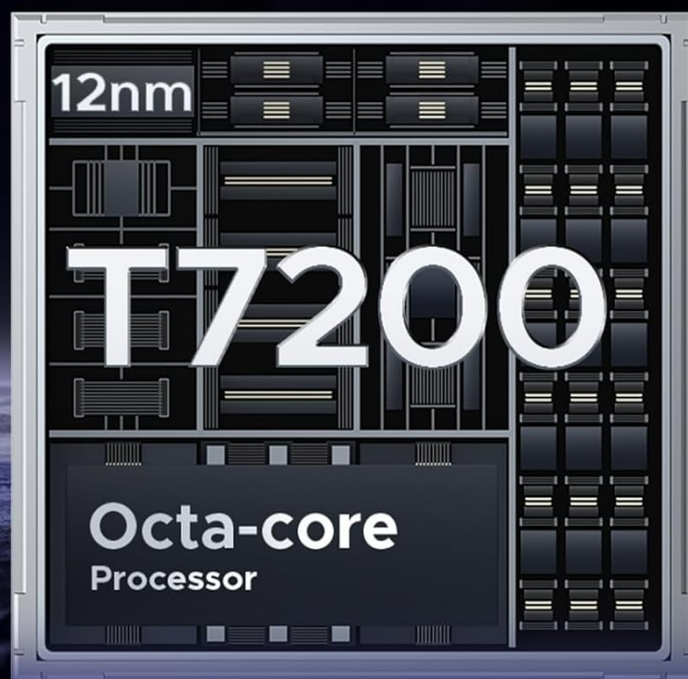


Figure 6: Benefits of the integrated Gemini AI for daily tasks.

## Connectivity

The device supports Dual SIM 4G connectivity, ensuring broad network compatibility. It also includes NFC for contactless payments and data transfer, Bluetooth for wireless accessories, Wi-Fi for internet access, and a comprehensive GPS system (Beidou, Galileo, Glonass, GPS) for accurate navigation.

## MAINTENANCE AND DURABILITY

### Rugged Features

The DOOGEE Blade 20 is built to be highly durable, featuring IP68/IP69K dustproof and waterproof ratings, and MIL-STD-810H certification. This means it can withstand 1.5m drops, immersion in up to 1.5m of water for 30 minutes, and is fully protected against dust ingress. These features make it suitable for harsh outdoor environments and industrial use.





Figure 7: Demonstrating the MIL-STD-810H military-grade protection of the Blade 20.

## Cleaning and Storage

To clean your device, use a soft, lint-free cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring all ports are sealed. Avoid using harsh chemicals or abrasive materials. Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your DOOGEE Blade 20.

Problem	Possible Cause	Solution
Phone not turning on	Low battery; software crash	Charge the phone for at least 30 minutes. Press and hold the Power button for 10-15 seconds to force restart.



Problem	Possible Cause	Solution
Poor battery life	Too many background apps; high screen brightness; weak signal	Close unused apps. Reduce screen brightness. Enable battery saver mode. Check for strong network signal.
Network issues (no signal/slow data)	Incorrect SIM insertion; out of network coverage; APN settings	Reinsert SIM card. Move to an area with better coverage. Check APN settings with your carrier. Enable/disable Airplane mode.
Apps crashing/freezing	Insufficient RAM; app bug; outdated software	Clear app cache/data. Update the app or phone software. Restart the device.
Fingerprint/Face ID not working	Dirty sensor/camera; improper registration; software glitch	Clean the sensor/camera. Re-register your fingerprint/face ID. Restart the phone.

## SPECIFICATIONS

Detailed technical specifications for the DOOGEE Blade 20.

Feature	Specification
Model Name	DOOGEE Blade 20
Operating System	Android 15
Processor	Unisoc T7200 Octa-core, 1.6 GHz
RAM	20GB (4GB Basic + 16GB Virtual)
Internal Storage (ROM)	128GB
Expandable Storage	Up to 2TB via TF card (sold separately)
Display Size	6.6 Inches
Display Resolution	HD+
Refresh Rate	90 Hz
Main Camera	16MP
Front Camera	8MP
Battery Capacity	10300mAh
Charging	18W Fast Charging, Reverse Charging
Dimensions	6.85 x 3.2 x 0.62 inches (15.8mm thin)

Feature	Specification
Weight	11.5 ounces (327 Grams)
Durability	IP68/IP69K Waterproof/Dustproof, MIL-STD-810H Certified
Connectivity	Dual SIM 4G, Wi-Fi, Bluetooth, NFC
Navigation	GPS, GLONASS, Galileo, Beidou
Security Features	Fingerprint ID, Face ID
Audio Jack	Type-C
Color	Brown

## WARRANTY AND SUPPORT

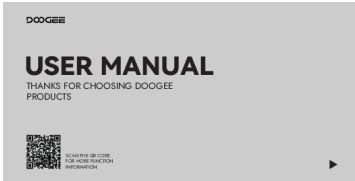
### Warranty Information

Your DOOGEE Blade 20 smartphone is covered by a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact DOOGEE customer support through their official website or the retailer from whom you purchased the device. You can also visit the [DOOGEE Store on Amazon](#) for additional resources and contact information.





Documents - DOOGEE – DOOGEE Blade 20



#### [DOOGEE User Manual](#)

Comprehensive user manual for DOOGEE products, covering safety information, regulatory compliance, and technical specifications.

lang:en score:29 filesize: 4.19 M page\_count: 31 document date: 2025-03-18

Product information		Product Name	Mobile Phone Accessories	Origin	Made in China
		Batch Number	STLE144RC1		
Manufacturer information		Manufacturer	Jian Zhou Shi Lan He Ma Yi Yi Xun Xun Gong Si		
		Address	Room 1206, Building B, Pucheng 1916, No.44 Pium Road, Guoshan, Maoming, Guangdong		
		E-mail	jianshen@163.com		
EC-REP		Name	MOCCO CO. B.V.		
		Address	CALLE RIO TORRES NÚM. 1 PLANTA 1, DERECHA, OFICINA 3, Pamplona, Madrid, 26047 Spain		
		E-mail	mccoservice62@hotmail.com		
UK	WARNING: To avoid the danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag for cloth, food, clothing, or garbage. This bag is not a toy.				
DE	WARNUNG: Um Erstickungsgefahr zu vermeiden, halten Sie die Plastiktüte von Babys und Kindern fern. Verwenden Sie diese Plastiktüte nicht als Kleidung, Essen, Bekleidungsgegenstände oder Abfallbeutel. Diese Tüte ist kein Spielzeug.				
FR	AVERTISSEMENT: Pour éviter tout risque de suffocation, gardez ce sac plastique hors de portée des bébés et des enfants. N'utilisez pas cette sac comme vêtements, de la nourriture ou des sacs poubelle. Ce sac n'est pas un jouet.				
IT	AVVERTENZA: Per evitare il rischio di soffocamento, tenere il sacchetto di plastica lontano da bambini e bambini. Non utilizzare questo materiale di stoffa, del cibo, dell'abbigliamento. Questo sacchetto non è un giocattolo.				
ES	ADVERTENCIA: Para evitar el riesgo de asfixia, mantener la bolsa de plástico fuera del alcance de bebés y niños. No utilizar esta bolsa en ropa, comida, indumentaria o papeles de basura. Esta bolsa no es un juguete.				
PL	OSTROZAGROZENIE: Aby uniknąć ryzyka uduszenia, utrzymaj plastikowy worek z dala od niemowląt i dzieci. Nie używaj tej torby w ubiorach, jedzeniu, przedmiotach ani jako worka na śmieci. Ta torba nie jest zabawką.				
NL	Gebruikswaarschuwing: Om het gevaar van verstikking te vermijden, houdt u deze plastic zak bij de handen van baby's en kinderen. Gebruik deze zak niet als speelgoed, kleding, eten of afvalzak. Deze zak is geen speelgoed.				
SE	VARNING: För att undvika strypningsrisk, håll plastpåsen borta från spädbarn och barn. Använd inte denna påse i kläder, mat, kläder, mat eller avfall. Denna påse är inte ett leksak.				
BE	AVERTISSEMENT: Pour éviter tout risque de suffocation, gardez ce sac plastique hors de portée des bébés et des enfants. N'utilisez pas ce sac pour la nourriture, le vêtement ou les sacs poubelle. Ce sac n'est pas un jouet.				
TR	UYARI: Bebekleri öldürmek için plastik torbeleri bebeklerden ve çocuklardan uzak tutun. Bu torbeleri beslenme, giyim, giyimden başka veya çöp atmak için kullanmayın. Bu torbelerin oyuncak değildir.				
IE	RABHADAR: Chua cu beibé inchailithe a dífáilú, cuir na btaí plasticeacha siar ó dháil a náimhde agus ó naonú. Ní féidir an btaí seo a úsáid mar ghléasra, áineamha, gearrúcháin nó ghléasra áineamha. Ní bfuiltear a úsáid mar tóir.				
<div><div></div><div><div>ÉLÉMENTS D'EMBALLAGE À DÉPOSER ET À RÉCYCLER DANS LE SAC DE TRI</div><div></div></div></div>					

Mobile Phone Accessories - Product Information and Safety Warnings

Detailed product information for Mobile Phone Accessories, including manufacturer details, EC-REP information, and crucial safety warnings.

lang:nl score:8 filesize: 200.28 K page\_count: 1 document date: 2025-05-28