

BKQ-N49 SmartPhone

Product Description

Issue	01
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HONOR

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1 Change Record

Version	SE	Modify Content	Released Data
01	Liuxiaoqing 00012739	First released	2025-06-10
	Liuxiaoqing 00012739	second released	2025-09-04

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Product Overview

2.1 Introduction

BKQ-N49 is a smart phone developed by HONOR.

- 200MP Ultra Night Telephoto
- Magic Color
- AI Screen Suggestions
- HONOR AI Agent (AI Settings Agent+AI Photos Agent)
- New-Generation Snapdragon Flagship Platform
- New-Generation HONOR Silicon-carbon Battery+100W HONOR Wired SuperCharge+80W HONOR Wireless SuperCharge
- HONOR AI Eye Comfort Display

2.2 Appearance

Black (Other versions vary only in color)



Hardware specification

Item	Description
Appearance	
Shape	Bar-type
Color	Sunrise Gold、Sky Cyan、Black
Size	161.15mm (H) x 75mm (W) x 8.4mm (D) (Europe) 161.15mm (H) x 75mm (W) x 8.32mm (D) (other region) Note: The actual dimensions may vary depending on the configuration, manufacturing process, and measurement method.
Weight	Approx. 213g (including the battery) (Europe) 219g (including the battery) (other region) Note: The actual weight may vary depending on the configuration, manufacturing process, and measurement method.
Battery Type	Li-ion Polymer Battery
Display	
LCD	● Screen Size:6.71 inches ● Screen Type: OLED ● Screen Colors: 1073.7M ● Screen Resolution: 1256×2808
Touch-sensitive screen	Touch-sensitive screen, Support multi-touch technology

Item	Description
Network	
Network standard	5G NR/LTE TDD/LTE FDD/WCDMA /GSM
Frequency band	5G NR NSA/SA ● N1:1920-1980 MHz(UL) ,2110-2170 MHz(DL) ● N2:1850 – 1910 MHz(UL) , 1930 – 1990 MHz(DL) ● N3:1710–1785 MHz(UL), 1805–1880 MHz(DL) ● N5:824–849 MHz(UL), 869–894 MHz(DL) ● N7:2500–2570 MHz(UL), 2620–2690 MHz(DL) ● N8: 880–915 MHz(UL), 925–960 MHz(DL) ● N12: 699–716 MHz(UL), 729–746 MHz(DL) ● N20: 832–862 MHz(UL), 791–821 MHz(DL) ● N25:1850–1915 MHz(UL), 1930–1995 MHz(DL) ● N26:814–849 MHz(UL), 859–894 MHz(DL) ● N28:703-748 MHz (UL) , 758-803 MHz (DL) ● N38:2570MHz-2620MHz ● N40:2300-2400 MHz ● N41:2496-2690 MHz ● N48:3550-3700 MHz ● N66: 1710 – 1780 MHz(UL), 2110 - 2200 MHz(DL) ● N71: 663 – 698 MHz(UL), 617–652 MHz(DL) ● N75: 1432 – 1517 MHz(DL) ● N77:3300-4200 MHz ● N78:3300-3800 MHz ● N79:4400-5000 MHz 4G TDD-LTE ● TDD-LTE B34: 2010–2025 MHz ● TDD-LTE B38: 2570–2620 MHz

Item	Description
	● TDD-LTE B39: 1880–1920 MHz ● TDD-LTE B40: 2300–2400 MHz ● TDD-LTE B41: 2496–2690 MHz ● TDD-LTE B42: 3400–3600 MHz ● TDD-LTE B48: 3550–3700 MHz 4G FDD-LTE ● FDD-LTE B1: 1920–1980 MHz(UL), 2110–2170 MHz(DL) ● FDD-LTE B2: 1850 – 1910MHz(UL), 1930–1990MHz(DL) ● FDD-LTE B3: 1710–1785 MHz(UL), 1805–1880 MHz(DL) ● FDD-LTE B4: 1710 – 1755MHz(UL), 2110–2155MHz(DL) ● FDD-LTE B5: 824 – 849MHz(UL), 869 – 894MHz(DL) ● FDD-LTE B7: 2500– 2570MHz(UL), 2620–2690MHz(DL) ● FDD-LTE B8: 880 – 915MHz(UL), 925 – 960MHz(DL) ● FDD-LTE B12: 699 – 716MHz(UL), 729 – 746MHz(DL) ● FDD-LTE B13: 777 – 787MHz(UL), 746 – 756MHz(DL) ● FDD-LTE B17: 704 – 716MHz(UL), 734 – 746MHz(DL) ● FDD-LTE B18: 815- 830MHz(UL), 860 - 875MHz(DL) ● FDD-LTE B19: 830– 845MHz (UL), 875– 890MHz(DL) ● FDD-LTE B20: 832 – 862MHz(UL), 791 – 821MHz(DL) ● FDD-LTE B25: 1850 – 1915MHz(UL), 1930 – 1995MHz(DL) ● FDD-LTE B26: 814 – 849MHz(UL), 859 – 894MHz(DL) ● FDD-LTE B28: 703 – 748MHz(UL), 758 – 803MHz(DL) ● FDD-LTE B32: 1452 – 1496MHz(DL) ● FDD-LTE B66: 1710 – 1780MHz(UL), 2110 – 2200MHz(DL) ● FDD-LTE B71: 663 – 698MHz(UL), 617 – 652MHz(DL) 3G WCDMA ● WCDMA B1: 1920–1980 MHz(UL), 2110–2170 MHz(DL) ● WCDMA B2: 1850–1910 MHz(UL), 1930–1990 MHz(DL) ● WCDMA B4: 1710–1755 MHz(UL), 2110–2155 MHz(DL)

Item	Description
	• WCDMA B5: 824–849 MHz(UL), 869–894 MHz(DL) • WCDMA B6: 830–840 MHz(UL), 875–885 MHz(DL) • WCDMA B8: 880–915 MHz(UL), 925–960 MHz(DL) • WCDMA B19: 830 – 845MHz(UL), 875 – 890MHz(DL) 2G GSM • GSM B2: 1850–1910 MHz(UL), 1930–1990 MHz(DL) • GSM B3: 1710–1785 MHz(UL), 1805–1880 MHz(DL) • GSM B5: 824–849 MHz(UL), 869–894 MHz(DL) • GSM B8: 880–915 MHz(UL), 925–960 MHz(DL)
Maximum transmit power	5G NR • N1: 21-25dBm (Power Class 3) • N2: 21-25dBm (Power Class 3) • N3: 21-25dBm (Power Class 3) • N5: 21-25dBm (Power Class 3) • N7: 21-25dBm (Power Class 3) • N8: 21-25dBm (Power Class 3) • N12: 21-25dBm (Power Class 3) • N20: 21-25dBm (Power Class 3) • N25: 21-25dBm (Power Class 3) • N26: 21-25dBm (Power Class 3) • N28: 20.5-25dBm (Power Class 3) • N38: 21-25dBm (Power Class 3) • N40: 21-25dBm (Power Class 3) • N41: 21-25 dBm (Power Class 3), 23-28dBm (Power class2) • N48: 20-25dBm (Power Class 3) • N66: 21-25dBm (Power Class 3) • N71: 20.5-25dBm (Power Class 3) • N77: 20-25 dBm (Power Class 3), 23-28dBm (Power class2) • N78: 20-25 dBm (Power Class 3), 23-28dBm (Power class2)

Item	Description
	● N79: 20-25 dBm (Power Class 3), 23-28dBm (Power class2) 4G TDD-LTE ● TDD -LTE B34: 21–25 dBm(Power Class 3) ● TDD -LTE B38: 21–25 dBm(Power Class 3) ● TDD -LTE B39: 21–25 dBm(Power Class 3) ● TDD -LTE B40: 21–25 dBm(Power Class 3) ● TDD -LTE B41: 24–28 dBm(Power Class 2) ● TDD -LTE B42: 20–25 dBm(Power Class 3) ● TDD -LTE B48: 20–25 dBm(Power Class 3) 4G FDD-LTE ● FDD-LTE B1: 21–25 dBm(Power Class 3) ● FDD-LTE B2: 21–25 dBm(Power Class 3) ● FDD-LTE B3: 21–25 dBm(Power Class 3) ● FDD-LTE B4: 21–25 dBm(Power Class 3) ● FDD-LTE B5: 21–25 dBm(Power Class 3) ● FDD-LTE B7: 21–25 dBm(Power Class 3) ● FDD-LTE B8: 21–25 dBm(Power Class 3) ● FDD-LTE B12: 21–25 dBm(Power Class 3) ● FDD-LTE B13: 21–25 dBm(Power Class 3) ● FDD-LTE B17: 21–25 dBm(Power Class 3) ● FDD-LTE B18: 21–25 dBm(Power Class 3) ● FDD-LTE B19: 21–25 dBm(Power Class 3) ● FDD-LTE B20: 21–25 dBm(Power Class 3) ● FDD-LTE B25: 21–25 dBm(Power Class 3) ● FDD-LTE B26: 21–25 dBm(Power Class 3) ● FDD-LTE B28: 20.5–25 dBm(Power Class 3) ● FDD-LTE B32: 20.5–25 dBm(Power Class 3) ● FDD-LTE B66: 21–25 dBm(Power Class 3) ● FDD-LTE B71: 20.5–25 dBm(Power Class 3)

Item	Description
	3G WCDMA • WCDMA B1: 21–25 dBm(Power Class 3) • WCDMA B2: 21–25 dBm(Power Class 3) • WCDMA B4: 21–25 dBm(Power Class 3) • WCDMA B5: 21–25 dBm(Power Class 3) • WCDMA B6: 21–25 dBm(Power Class 3) • WCDMA B8: 21–25 dBm(Power Class 3) • WCDMA B19: 21–25 dBm(Power Class 3) 2G GSM • GSM B2: 28–32 dBm(Power Class 1) • GSM B3: 28–32 dBm(Power Class 1) • GSM B5: 31–35 dBm(Power Class 4) • GSM B8: 31–35 dBm(Power Class 4)
Static sensitivity	5G NR • N1: better than-96.5 dBm/20MHz • N2: better than-91.8dBm/20MHz • N3: better than-88.9 dBm/30MHz • N5: better than-86.8dBm/20MHz • N7: better than-91.8 dBm/20MHz • N8: better than-85.8dBm/20MHz • N12: better than-84.0dBm/15MHz • N20: better than-89.8dBm/20MHz • N25: better than-90.3dBm/20MHz • N26: better than-87.6dBm/20MHz • N28: better than-90.8 dBm/20MHz • N38: better than-96.5 dBm/20MHz • N40: better than-87.6 dBm/80MHz • N41: better than-87.4 dBm/100MHz • N48: better than -95.3 dBm/20MHz

Item	Description
	● N66: better than-93.3dBm/20MHz ● N71: better than-87.3 dBm/20MHz ● N75: better than-93.8 dBm/20MHz ● N77: better than-87.3 dBm/100MHz ● N78: better than-87.8 dBm/100MHz ● N79: better than-87.8dBm /100MHz 4G TDD -LTE ● TDD -LTE B34: better than - 96.3 dBm/10 MHz ● TDD -LTE B38: better than - 96.3 dBm/10 MHz ● TDD -LTE B39: better than - 96.3 dBm/10 MHz ● TDD -LTE B40: better than - 96.3 dBm/10 MHz ● TDD -LTE B41: better than - 94.3 dBm/10 MHz ● TDD -LTE B42: better than - 96.0 dBm/10 MHz ● TDD -LTE B48: better than - 96.0 dBm/10 MHz 4G FDD-LTE ● FDD-LTE B1: better than - 96.3 dBm/10 MHz ● FDD-LTE B2: better than - 94.3 dBm/10 MHz ● FDD-LTE B3: better than - 94 dBm/10 MHz ● FDD-LTE B4: better than - 96.3 dBm/10 MHz ● FDD-LTE B5: better than - 94.3 dBm/10 MHz ● FDD-LTE B7: better than - 94.3 dBm/10 MHz ● FDD-LTE B8: better than - 93.3 dBm/10 MHz ● FDD-LTE B12: better than - 94 dBm/10 MHz ● FDD-LTE B13: better than - 94 dBm/10 MHz ● FDD-LTE B17: better than - 94 dBm/10 MHz ● FDD-LTE B18: better than - 96.3 dBm/10 MHz ● FDD-LTE B19: better than - 96.3 dBm/10 MHz ● FDD-LTE B20: better than - 93.3 dBm/10 MHz ● FDD-LTE B25: better than - 94 dBm/10 MHz

Item	Description
	● FDD-LTE B26: better than - 94.8 dBm/10 MHz ● FDD-LTE B28: better than - 94.8 dBm/10 MHz ● FDD-LTE B32: better than - 94 dBm/10 MHz ● FDD-LTE B66: better than - 96.5 dBm/10 MHz ● FDD-LTE B71: better than - 94.2 dBm/10 MHz 3G WCDMA ● WCDMA B1: better than -106.7 dBm/3.84 MHz ● WCDMA B2: better than -104.7 dBm/3.84 MHz ● WCDMA B4: better than -106.7 dBm/3.84 MHz ● WCDMA B5: better than -104.7 dBm/3.84 MHz ● WCDMA B6: better than -106.7 dBm/3.84 MHz ● WCDMA B8: better than -103.7 dBm/3.84 MHz ● WCDMA B19: better than -106.7dBm/3.84MHz 2G GSM ● GSM B2: better than -102 dBm/200 kHz ● GSM B3: better than -102 dBm/200 kHz ● GSM B5: better than -102 dBm/200 kHz ● GSM B8: better than -102 dBm/200 kHz
Network rate	5G NR ● UL: 2.5Gbit/s (Maximum speed in theory) ● DL: 6.9Gbit/s (Maximum speed in theory) 4G TDD-LTE ● UL: Cat 18, 200Mbit/s (Maximum speed in theory) ● DL: Cat 19, 1.6Gbit/s (Maximum speed in theory) 4G LTE FDD ● UL: Cat 18, 200Mbit/s ● DL: Cat 20, 2.0Gbit/s 3G WCDMA ● HSDPA Cat 24: 42 Mbit/s(DL)

Item	Description
	● HSPA Cat 6: 5.76Mbit/s(UL) ● WCDMA: 384 Kbit/s(UL), 384 Kbit/s(DL) 2G GPRS/EGPRS ● EDGE Class 12: 236.8Kbit/s(UL), 236.8Kbit/s(DL) ● GPRS: 80Kbit/s(UL), 80Kbit/s(DL)
LTE-NR DC	Refer "BKQ CA & ENDC"
CA	 BKQ-N49 -CA&ENDC.xlsx
QAM	UL: 256QAM DL: 256QAM
Storage	
Memory	● 12GB RAM +512GB ROM ● 16GB RAM +1TB ROM(based on the actual shipping area location of the product) Note: The available internal storage may be smaller as part of the internal storage is occupied by phone software.
External memory support	No
System	
Processor	● AP model: ---Snapdragon® 8 Elite Gen 5 Mobile Platform ● AP Core Number: --- Octa-Core AP Frequency: --- 2×Prime 4.6GHz+6×Performance 3.62GHz ●
Device control	Power key; Volume up button; Volume down button; AI button

Item	Description
External interface	● Headset type: Type-C ● Headset line sequence: LRGM ● Data interface: Type-C USB
SIM card interface	Applicable to dual cards Card slot 1: nano-SIM card Card slot 2: nano-SIM card Applicable to single card Card slot 1: nano-SIM card
eSIM	Supported Applicable to eSIM MEP
Transmission function	
GPS	● GPS (L1 + L5 Dual band) ● AGPS ● GLONASS ● Beidou(B1I+B1C+B2a Tri-band) ● GALILEO (E1 + E5a Dual band)) ● QZSS (L1 + L5 Dual band)) ● NavIC ● AGNSS (A-GPS\A-GLONASS\A-BDS)
Wi-Fi	2.4GHz: 802.11 b/g/n/ax/be, MIMO 5GHz: 802.11 a/n/ac/ax/be, MIMO 6GHz: 802.11 ax/be, MIMO
WIFI&BT&NFC Output Power	Wi-Fi 2412-2472: 19.1 dBm Wi-Fi 5180-5320: 19.1 dBm Wi-Fi 5500-5700: 19.1 dBm Wi-Fi 5745-5825: 8.6 dBm Wi-Fi 5945-6425: 18.6 dBm

Item	Description
	BT 2400-2483.5: 17.6 dBm NFC: 1.585W(The chip supports up to 1.585w)
USB	Type-C, USB 3.2 GEN1
Bluetooth	Bluetooth 6.0, Support Bluetooth Low Energy, SBC, AAC, LDAC , AptX, AptX HD are supported.
NFC	Supported Note: 1. Only Card Emulation mode and Reader / Writer mode are supported. Peer-to-Peer mode is no longer supported. 2. The NFC sensing area is in the upper middle of the back of the mobile phone.
Sensors	• Infrared sensor • Fingerprint sensor • Proximity light sensor • Ambient light sensor • Gravity sensor • Compass • Gyroscope • Color temperature sensor • Laser focus sensor • Flicker sensor • Accelerometer
Connection	Support DP Screen Mirroring
Others	
Camera	• Front camera: 50 mega-pixel (f/2.0 aperture) +3D Depth Camera • Rear camera: 50 mega-pixel (f/1.6aperture, OIS) + 200 mega-pixel (f/2.6 aperture, OIS) , 3.7X optical zoom , 100X digital zoom + 50 mega-pixel (f/2.0 aperture)

Item	Description
	Note: The actual image resolution may vary depending on the shooting mode.
FM	Not support
Battery	● Capability: (6270) mAh(Typical value) (6090)mAh(Rated value) for Europe ● Capability: (7100) mAh(Typical value) (6920)mAh(Rated value) for other region ● Theoretical Charging Time: About 47 Mins with battery 7100mAh, XX Mins with battery 6270mAh for EU(Note: Data comes from Honor laboratory. The test conditions are at a temperature of 25 degrees Celsius and a relative humidity of 45%-80%, using the original SuperCharge charger and charging cable, starting from 3% power, and charging with the screen off in standby mode. The actual charging time may vary depending on usage.) ● Theoretical 4G talk time: up to 45 Hours with battery 7100mAh, 40 Hours with battery 6270mAh for EU (Note: The data is derived from laboratory testing. The actual talk time may vary depending on the local network and usage habits.) ● Theoretical 5G talk time: up to 62 Hours with battery 7100mAh, 56 Hours with battery 6270mAh for EU (Note: The data is derived from laboratory testing. The actual talk time may vary depending on the local network and usage habits.) ● Theoretical 5G Standby Time: up to 544 Hours with battery 7100mAh, 487 Hours with battery 6270mAh for EU (Note: The data is derived from laboratory testing. The actual standby time may vary depending on the local network and usage habits.) ● Theoretical 4G Standby Time: up to 679 Hours with battery 7100mAh, 608 Hours with battery 6270mAh for EU (Note: The data is derived from laboratory testing. The actual

Item	Description
	standby time may vary depending on the local network and usage habits.)
Power supply	• Input: 100-240V, 2.5A • Output: 20V/5A MAX or 10V/4A or 5V/2A
Temperature	• Operating temperature: 0°C- 35°C • Warehouse temperature: -20°C- +45°C
Relative humidity	5%-95%
Certification	BQB, GCF, CE, ISED, RoHS, WEEE, REACH, ERP, UKCA, Wi-Fi, EMVCo
Waterproof and dustproof	IP68, IP69 and IP69K

3

Software specifications

Item	Description
System	
Operating system	MagicOS 10.0 (Based on Android 16)
Home screen	MagicOS 10.0
Browser	Chrome browser
Input method	Gboard
4G Voice resolution	• VoLTE • VoWiFi • CSFB • ViLTE
Voice codec	• WCDMA: AMR-WB • GSM: FR/EFR/HR/FR AMR/HR AMR • VoLTE: AMR-WB/AMR-NB Note: The availability of EVS depends on the network operators in different countries or regions.
Entertainment	
Messaging	• SMS • MMS
Email	Support (POP3/IMAP/Exchange)

Item	Description
Multi-media	● Audio File Format: mp3、mp4、3gp、ogg、amr、aac、flac、wav ● Video File Format: 3gp、mp4 ● Image File Format: png、gif、jpg、bmp、webp、wbmp
Streaming media	● File format: 3gp、mp4
Sound effect	● Speaker: Dual Speaker, supports stereo ● MIC: 3 MIC
Shooting function	
Camera & Video resolution	Front camera: 50 mega-pixel (f/2.0 aperture) +3D Depth Camera ● Photo: up to 8192 x 6144 ● Video: up to 3840 x 2160 Rear camera: 50 mega-pixel (f/1.6aperture, OIS) + 200 mega-pixel (f/2.6 aperture, OIS)+3.7X +3.7X optical zoom , 100X digital zoom+ 50 mega-pixel (f/2.0 aperture) ● Photo: up to 16320 x 12288 ● Video: up to 3840×2160
Shooting mode	Rear camera: AI Enhanced Portrait, Stage Mode, HD Super Burst, Smart Focus, Movie, Multi-video, AI photography, High RES, Time-lapse, Super Wide Angle, , Night, Super Macro, Portrait, Pro, Slow-MO, Panorama, Filter, Watermark, Capture smiles, Video, Timer, Scan Document, Story, Light Painting, HDR, AI Super Zoom, Magic Color, Front camera: Portrait, Filter, Capture smiles, Mirror reflection, Timer, Gesture control, Watermark, Night
Video Shooting	Rear camera: supports 4K video recording Front camera: supports 4K video recording
Focus mode	● Front camera: Fixed focus (FF)

Item	Description
	● Rear camera: Autofocus (AF)
Other function	None
Flash	● Front camera: Not supported ● Rear camera: High-brightness flash (single LED)
Photo and video	● Capture file format: *.jpg ● Recording file format: *.mp4
Others	
Transmission function	● Wi-Fi hotspot ● Wi-Fi Direct
Software update	● HONOR OTA online update
USB function	● USB OTG ● USB tethering ● USB charging

4 Packing List

Index	Item	Count	Description
1	Phone(Built-in battery)	1	Standard
2	HONOR SuperCharge	1	Dependent on market
3	Type-C Cable	1	Dependent on market
4	TPU Protective cover	1	Dependent on market
5	Quick Start Guide	1	Standard
6	Eject tool	1	Standard
7	Warranty Card	1	Dependent on market
8	TP protective film	1	Attached on the phone before delivery

Remarks: Packing lists vary in different regions. The final product shall prevail.