

Q900 Specification		
Basic information		
Product type	AIDC Full screen PDA	
Model number	Q900	
Certificate	■CE ■ROHS ■UKCA ■GMS ■UN38.3、MSDS、Sea and air transport certificate ■CCC ■SRRC&CTA ■battery CCC certificate ■IP rate ■military industry	
Explosion-proof certification	No	
IP Rate	IP67 (Waterproof, dustproof, shockproof)	
Rrop test	1.5 meters	
Operation temp	-20℃~55℃	
Storage temp	-40℃~70℃	
ESD	air ±12k,touch ±8kV	
Appearance		
Size (mm)	163*77*13.9mm	
weight (g)	265g (include battery)	
Color	Black (original color injection molding), surface resistant	
Material	Single-color high-strength engineering plastic	
		
System		
Operating system version	Android 14	with GMS
Platform Application	Adaptation of code scanning assistant application	
CPU	Octa-core	MT8781
Standard frequency band		
Network Type	4G LTE	
2/3/4G	Frequency band	2G: GSM 850/900/1800/1900 3G: WCDMA B1/2/4/5/8 4G: TDD-LTE B34/38/39/40/41 LTE FDD B1/2/3/4/5/7/8/20/28a&b Optional America GSM: 850/900/1800/1900 WCDMA: B1/2/4/5/8 LTE: B1/2/3/4/5/7/12/13/14/25/26/28a&b/30/38/40/41/66/71
	CA	not support
	MIMO	/
	LTE Cat/Max Speed	DL: Cat4 150M (DL 256QAM) UL: Cat4 50M (UL 64QAM)
Card type	Dual SIM card requirements	support, L+L
	Switch between primary and secondary cards	support
Voice Solution	VoLTE、ViLTE、VoWiFi	
Card slot		
SIM slot type	NanoSIM+NanoSIM/TF	The battery compartment has a built-in three-in-two card tray, and does not support hot swapping
eSIM	not support	
Storage		
RAM	4GB	LPDDR4x, (optional)12GB
ROM	64GB	EMMC, (optional)256GB
Extended storage (TF card)	support	MicroSD Max 1TB, support SDIO Encrypted T-Card
Display		
Size of screen	5.99 inch TFT (IPS)	typ.500cd/m²
Resolution	HD+, 720×1440	FHD+(optional)
Touch Type	INCELL Multi-point capacitive touch,	
Cover plate fitting	Full lamination	Tempered glass cover
Camera		
Proactive	FF fixed focus, supports up to 800W	
Main camera	1300W, PDAF, F2.2	
Secondary Photo	not support	
Flashlight	support	Maximum current 1A, supports flashlight function
Sensor		
Standard	Optical distance sensor, gravity acceleration sensor	
Fingerprint module	Optional	Either rear or UHF
Optional	Hall, Geomagnetic Sensor, Gyroscope	
IO interface		
USB	Support standard TYPE-C interface (USB 2.0 Device, support OTG)	Waterproof
3.5mm earphone	USB interface	digital headphone
Base	support	5V~2A
External expansion interface	Compatible options	Optional 8PIN external handle
Electroacoustic Audio		
MIC	support	Dual Silicone Microphone
noise reduction	support	
Audio PA Type	K type	
Bee	support	100dB speaker
motor	support	
earpiece	support	
Wireless function		
GPS	Support L1 GPS/Beidou/Galileo/GLONASS Support AGPS	Internal antenna
WLAN Protocol	Support WiFi5, Dual-band (2.4/5.1/5.8GHz) 1 stream 802.11ac/a/b/g/n	IEEE 802.11d/e/h/i/j/k/r/v compliant support WiFi Roaming Security: WFA WPA WPA3/2 personal, AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI (hardware) WFA、Wi-Fi display、Wi-Fi HotSpot 2.0、
Bluetooth	Support BLE 5.2、3.0+HS、2.1+EDR	
NFC	optional	ISO18092、ISO14443 A/B、ISO15693 Protocol、Mifare compliance
FM	unsupport	
Wireless charging	unsupport	
Accessibility		
Information indicator	support	Three-color LED light: slow flashing at low battery, red at charging, green at full power; green for successful code scanning, red for failed code scanning; blue for Bluetooth and other prompt information;
Battery life		
Battery	5000mAh (4.4V)	Lithium polymer, supports 0V charging
Charging Current	5V 2A adapter	
Standby	TBD	
Working time	13.5 hours	Approximately 9.5 hours with LCD brightness and volume at maximum
RTC battery	Support	
Hot start power reserve	Compatible Options	Built-in 60mAh lithium polymer battery
functional device		
Engine	support 1D 2D	HS7
Independent Beidou Positioning	Optional	Three options with scanning module, UHF
RFID UHF module	Optional	built-in antenna
Packaging and accessories		
Standard	■Output 5V 2A ■TypeC cable ■Wrist strap	
Packaging material	■LOGO ■ Cover protective film	
Packaging box type	■Pit box + cover	
Optional accessories	□PD 18W fast charger □Single host universal charger □Lanyard	