


Basic information		
Product type	AIDC with keyboard	
Model number	Q500	
Certificate	■CCC ■SRRC&CTA ■UN38.3、MSDS ■Battery CCC ■IP 67	
IP Rate	IP67 （Waterproof, dustproof, shockproof）	
Drop test	1.5 meters	
Operation temp	-20℃~55℃	
Storage temp	-40℃~70℃	
Humidity	5%~95%RH	
Appearance		
Size（mm）	168*66*18.5mm	
Weight（g）	265g（include battery）	
Color	Black（original color injection molding），surface resistant to scratches and sun marks	
Material	Single-color high-strength engineering plastic	
Key	■PTT key ■SCAN key *2 ■on and off key ■main keyboard（23 keies）	
System		
Operating system version	Android 11	with GMS
Platform Application	Adapt to QR code scanning assistant and third-party QR code scanning service APK	
CPU	Octa-core	MTK6765
Standard frequency band		
Network Type	4G LTE	
2/3/4G	Frequency band	Europe GSM：850/900/1800/1900 WCDMA：B1/2/4/5/8 LTE：B1/2/3/4/5/7/8/20/28a&b/34/38/39/40/41 Optional America GSM：850/900/1800/1900 WCDMA：B1/2/4/5/8 LTE：B1/2/3/4/5/7/12/13/17/18/19/25/26/28a&b/38/40/41/66
	CA	not support
	LTE Cat/Max Speed	DL：Cat4 150Mbps（DL 256QAM） UL：Cat4 50Mbps（UL 64QAM）
Card Mode	Dual SIM card requirements	support，L+L
	Switch between primary and secondary cards	support
Voice Solution		VoLTE、ViLTE、VoWiFi
Card slot		
SIM Card 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	
ROM	64GB	
Extended storage (TF card)	support	
Display		
Size of screen	4 inch TFT（IPS）	typ.450cd/m ²
Resolution	WVGA，480×800	
Touch Type	G+FF Multi-point capacitive touch, support gloves and wet hand mode	
Cover plate fitting	Full lamination	Tempered glass cover
Camera		
Proactive	optional	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	not support	
Optional	Geomagnetic sensor, gyroscope sensor	
IO interface		
USB	Support standard TYPE-C interface (USB 2.0 Device, support OTG)	Waterproof
3.5mm earphone	USB interface	
Base	support	5V~2A
External expansion interface	Compatible options	Optional 2PIN external handle
Electroacoustic Audio		
MIC	support	
Audio PA Type	K type	High Power
Bee	support	Rear 105dB high power speaker
motor	support	
earpiece	support	
Wireless function		
GPS	Support L1 GPS/Beidou/Galileo/GLONASS Support AGPS	Internal antenna
WLAN Protocol	Support WiFi5，Dual-band（2.4/5GHz） Support WiFi Roaming 1 stream 802.11ac/a/b/g/n	IEEE 802.11d/e/h/i/j/k/r/v compliant 802.11w protected managed frames 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 5.1、3.0+HS、2.1+EDR	
NFC	optional	ISO18092、ISO14443 A/B、ISO15693 protocol、Mifare compliance
FM	support	External headphones as antenna
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）	
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	Onboard button battery, replace the battery and the system time will last 15
Scanner		
Engine	support 1D 2D	HS7 Engie
Packaging and accessories		
Standard	■Adapter: Input 100~240V, Output 5V 2A, 3C certification, black ■Data cable: TypeA-TypeC data cable, current 2A, USB2.0, 1m, black ■Wrist strap	
Packaging material	■LOGO ■Cover protective film	□Tempered film
Packaging box type	■Pit box + cover	Leaflet, service guide, protective bag
Optional accessories	□Single host universal charger □PE+ 15W fast charger □Lanyard	Supports customized accessories: quad-charger, TPU protective case