



EQUIPOS GIS K-GEO





KQ GEO

Industrial K9[®] Keypad Handheld

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The Thunder industrial handheld, integrated a dedicated GNSS receiving board, a combination of connectivity options and standard features, including DB9 series port, LRBT, NFC, Wi-Fi and 3G, provides entire solutions for high-accuracy GIS applications. The fully-rugged IP rate is designed for field use. The Thunder industrial handheld come ready for you with application possibilities in power companies, agriculture and geological industries, forestry, field service and GIS/surveying.

Specification

		K9	K9G	K9D
Overview	Processor	1GHz		
	ROM	4GB		
	RAM	512MB		
	Operation System	Windows Mobile 6.X		
	Multi-Language	√		
	Keypad	27 numeric + programmable keys		
	Mic	√		
	Speaker	√		
	Display	3.7" sunlight readable with integrated touch screen		
	Display resolution	480 x 640		
	Camera	5 megapixel		
	Dimension	200mm x 96mm x 32mm		
	Weight	515g with battery		
GNSS Performance	GPS L1		√	√
	BDS B1		√	
	GLONASS L1		-	GPS+BD/GPS+GLONASS
	Channels	-	167	72
	RAW Data		-	√
	NMEA-0183		√	√
Accuracy (Internal Accord accuracy)	External antenna		√	√
	Autonomous		3m	2.5m
	SBAS	-	2.5m	2m
Time to First Fix	DGPS		1.5m	1.5m
	Hot start		1s	1s
	Warm start	-	29s	27s
	Cold start		29s	27s
Communications and Data Storage	Re-acquisition		1s	1s
	Bluetooth 2.1 class II	√		
	Long range Bluetooth	Optional(along with standard bluetooth)		
	NFC	Optional		
	GSM/3G (WCDMA)	3G (WCDMA)		
	WIFI	√		
	USB port	Type B USB		
	Serial port	DB9		
	Voice	-		
	Storage extension	TF card, up to 32GB		
Power	DC input	DC 5V• 4A		
	Detachable Li-ion battery	6,500mAh• 8.7V		
Environment Specification	Operating temperature	- 20• ~ +60• •		
	Storage temperature	- 30• ~ +70• •		
	Sand, dust&water	IP54		
Accessory	Drop	1.2m protection		
	Standard accessory	DC adapter, USB cable, Serial cable, Battery, Strap with Stylus, Screen protection film and User guid(Electronic Edition)		
	Optional accessory	Mounting bracket and Pole (Claw) Clamp, External GNSS antenna, External antenna cablez		

S50

High Performance Handheld Terminal System



1: Power button	2: Scan button	3: MIC	4: Front camera	5: earphone
6: light sensation	7: Handset	8: charge lamp	9: Home	10: Arrow keys and confirm key
11: Menu key	12: Back key	13: Number key	14: Power ON/OFF	15: *Button
16: # Button	17: ChargePoint	18: USB	19: Volume up	20: Volume Down
21: main camera (optional)	22: Function box(optional)	23: Speaker	24: battery	

Parameter details

System configuration	
Processor	ARM 1.5Ghz Cortex A53 processor
Storage	3GB RAM+32GB ROM
Network Characteristics	
2G/3G/4G	GSM (B2/3/5/8) WCDMA (B1/2/5/8) TDSCDMA (B34/39)
	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps)
	FDD: Up to 150Mbps downlink, 50Mbps uplink - TDD
Operation system	Andriod 5.1/7.0 UP
DGPS	GPS+BDS+AGPS/ GPS+GLONASS
Communication	
WI-FI	Dual-band (2.4GHz/5Ghz)
Bluetooth	BT v2.1+EDR/BT 3.0+HS compliance/ Bluetooth v4.0 Low Energy (LE)
DGPS	Plane: ±1m Height: ±2m
SBAS	Plane: 2.5m Height: 5m
Battery	
Battery	5000mAh Li battery, 8hours working time
Display and Camera	
Screen	4.5 inch AFFS/IPS, 540*960
Camera	8 million pixels
Physical properties	
Size/ weight	197x92x26.5mm (L×W×H)/ 380g
IP level	IP67
Shock/ vibrate	1.5m (drop with pole) on concrete