



Thunder

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.

Thunder K9 series-T17N/T17/T17M/T17T

Technical features

		T17N	T17	T17M	T17T
Overview	Processor	806MHz			
	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	-	√	GPS+BD/GPS+GLONASS	GPS+BD/GPS+GLONASS
	GLONASS L1	-	-	-	-
	Channels	-	167	72	72
	RAW Data	-	-	-	√
	NMEA-0183	-	√	√	√
	External antenna	-	√	√	√
Accuracy (Internal Accord accuracy)	Autonomous	-	3m	2.5m	2.5m
	SBAS	-	2.5m	2m	2m
	DGPS	-	-	1.5m	1.5m
Time to First Fix	Hot start	-	1s	1s	1s
	Warm start	-	29s	27s	27s
	Cold start	-	29s	27s	27s
	Re-acquisition	-	1s	1s	1s
Communications and Data Storage	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 , 1A			
	Detachable Li-ion battery	6,500mAh , 3.7V			
Environment Specification	Operating temperature	- 20°C ~ +60°C			
	Storage temperature	- 30°C ~ +70°C			
	Sand, dust&water	IP54			
	Drop	1.2m protection			
Accessory	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 cables			

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