CODE SOFT®

Rugged Handheld
Data Terminal MC-6090

Mobile Data Collection / IP64 Rating

Wireless Information Transfer / Powerful CPU / Dual OS

Highly ruggedized, flexible and easy to operate, handheld data terminal is designed for use in various industrial fields, including asset management, logistics, transportation, medicine safety supervision and production process management. Featuring dual OS (Windows CE or Android), 1GHz CPU, high-capacity battery and strong wireless communication ability including 3G, GPRS, WiFi and Bluetooth, this rugged terminal integrating with help you accomplish an array of industrial tasks efficiently in many areas.

Powerful Data Collection Ability
High speed data collection by 1D and 2D bar code scanner, RFID reader and IC card reader

Flexible and Adaptable
Ergonomic design for easy and comfortable operation, meeting IP64 environmental grade and supporting various industrial applications

Wireless Communication
Supports GPRS/GSM, 3G, WLAN, Bluetooth and other communication modes according to project requirements

Multiple Data Interfaces
Provides USB & RS232 interfaces and supports voice communication

Strong Data Storage
Built-in large RAM/ROM capacity, supports extended Micro SD/TF card (up to a maximum of 32GB capacity supportable)

Dual-system Supportable
Supports Windows CE 6.0 & Android 2.3 operating systems, provides SDK for secondary development on different applications

Application Fields:

Transportation & Logistics / Garment & Chain Store / Retail Market / Retail & Wholesale International Trade / Healthcare & Hospitality / E-commerce / Production Management Government Law Enforcement / Manufacturing

MC-6090 Specification

Physical Characteristics	Dimensions	Max: 190mm*75mm*30mm/Hand Grip: 90mm*60mm*25mm	
	Weight	350g (including battery)	
	Display	3.5inch TFT-LCD VGA(480×640) color touch screen	
	Keyboard	33 keys (numeric/alphabetic keys, directional button, scan button, side keypad)	
	Input	Chinese, English, Handwriting, support soft keyboard	
	Power	Main Battery	Removable, rechargeable 3.7 V 3000 mAh lithium battery pack, which can work for eight hours or above (depending on environment).
		Slave Battery	150mAh lithium battery
		RTC Battery	Individual RTC to keep clock at real time
Performance Characteristics	O.S.	Microsoft Windows CE 6.0 R3 & Android 2.3 (multi-language)	
	CPU	1GHz	
	Memory	ROM	512MB Nand Flash
		RAM	512MB Mobile DDR
	Expansion	Support Micro SD/TF up to 16G, SIM x 1	
	Audio	Loudspeaker x 1, microphone x 1, earphone x 1	
	Interfaces	Mini USB x 1, 3.5mm audio jack x 1	
Barcode Scanner	1D Laser	Scanning Rate	100±20 scan/sec
		Decode Capability	Code 39; Codabar; Code 128; Discrete 2 of 5; IATA 2 of 5; Interleaved 2 of 5; Code 93; UPC A; UPC E0; EAN 8; EAN 13; MSI; EAN 128; UPC E1; Trioptic Code 39; Bookland EAN; Coupon Code; RSS-Limited; RSS-14; RSS-Expanded
	2D CMOS	Decode Capability	1D Symbologies: UPC/EAN, Bookland EAN, UCC Coupon Code, ESSN EAN, CODE 39, CODE 128, GS1-128, ISBT 128, Trioptic Code 39, CODABAR, MSI, Interleaved 2/5, Discrete 2/5, Chinese 2/5 , Korean 3/5, Matrix 2/5, CODE 32,CODE 93, CODE 11, Inverse 1D, GS1 DataBar, Composite Codes
2D Symbologies: PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, MaxiCode, QR Code, Aztec, Aztec InversePostal Codes: U.S. Postnet, U.S. Planet, U.K. Postal, Japan Postal, Australian Postal, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal
Radio Communication	Wireless LAN	WiFi 802.11b/g; frequency range: 54MB/sec; CISCO Compatible CCX2/3 Security, CISCO AP Security	
	WAN	Frequency Range	GSM 850/900/1800/1900MHz
		Data Rate	GPRS multi-slot Class 10: DL 85.6 kbps/UL 42.8 kbps
GPRS multi-slot Class 8: DL 85.6 kbps/UL 21.4 kbps
	WCDMA	Frequency Range	UMTS2100/900MHz
UMTS1900/850MHz
GSM850/900/1800/1900MHz
		Data Rate	GSM CS: UL 9.6kbps/DL 9.6kbps
GPRS/EDGE: Multi-slot Class 12, Class B
WCDMA CS: UL 64kbps/DL 64kbps
WCDMA PS: UL 384kbps/DL 384kbps
HSDPA: DL 3.6Mbps
	CDMA 2000	Frequency Range	CDMA2000 1x, CDMA2000 EV-DO Rev 0, CDMA2000 EV-DO Rev A
Supports BC0 (800MHz) , BC1 (1900MHz)
		Data Rate	CDMA2000 1X: UL/DL: 153.6kbps
CDMA2000 1X/EVDO Rev.0: UL 153.6 kbps DL 2.4 Mbps
CDMA2000 1X/EVDO Rev A: UL 1.8 Mbps DL 3.1 Mbps
Options	Bluetooth	Bluetooth Class2.1+EDR	
	Camera	3.0/5.0 mega pixels with flash light, screen capture and automatic focus	
	GPS	Support A-GPS	
	RFID	Customizable, support:
LF: ISO11784/11785
HF: ISO15693, ISO14443A/B, SRI513/SRI4KU
UHF: ISO180006B (EPC C1 Gen2) , ISO18000-6C	
User Environment	Operating	−10°C to +50°C	
	Storage	−20°C to +60°C	
	Humidity	5% to 95% non condensing (condensation resistant configurations available)	
	Drop	Multiple drops to concrete: 5ft./1.5m across the operating temperature range	
	Sealing	IP64 standard for water and dust resistance	
Peripherals and Accessories	Cradle	Double-slot cradle: support two pieces of battery charging at the same time	
	Printer	Supports extensive line of bluetooth SPP approved printers and cables	
	Other Accesories	Adaptor, USB Cradle Cable	
Regulatory	Product Certification	CCC, CE, FCC	
	Electrical Safety	Certified to UL60950, CSA C22.2 No.6050, EN60950/IEC950	
	Laser Safety	IEC Class 2/FDA Class II, in accordance with IEC60825-/EN60825-1	
	Warranty	12 months (except for accessories)	