

C63-Cold

Mobile Computer



The Chainway C63 cold storage mobile computer is a newly launched rugged smart handheld computer purpose-built for cold chain applications. It features an active heating system for both the display and the scan window. The heated display ensures optimal visibility and responsive touch performance in low-temperature environments, while the heated scan window quickly eliminates condensation caused by sudden temperature changes, improving scanning efficiency. Equipped with a dedicated 5.600mAh cold-resistant battery, the C63 cold storage mobile computer delivers reliable power and extended operation time in freezing conditions, enhancing productivity and operational efficiency in cold storage management, refrigerated transportation, medical cold chain, and food processing scenarios.



Specification

Physical Characteristics	Dimensions	203.50 x 72.8 x 160 mm / 8.01 x 2.87 x 6.30in. (with pistol) 203.50 x 72.8 x 34.8 mm / 8.01 x 2.87 x 1.37in. (without pistol)
	Weight	385g / 13.58oz. (device with battery) ; 571g / 20.14oz. (device with pistol and battery)
	Keypad	Main keyboard (Optional) : 27 keys /37 keys /47 keys; Side keys: 2 scan keys + 2 volume keys + 1 user-defined key
	Battery	5600 mAh removable main battery, 5000 mAh optional pistol battery, support QC3.0 and RTC; Pistol battery with meter
	Display	4-inch high definition display, 800 * 480
	Touch Panel	Multi-touch panel, gloves and wet hands supported
	Sensor	Accelerometer sensor, light sensor, proximity sensor, gravity sensor gyroscope sensor, geomagnetic sensor
	Active Heating	Heated Display Heated Scan Window
	Notification	Sound, LED indicator, vibrator
	Audio	1 microphone for noise cancellation; 1 speaker; 1 receiver

Physical Characteristics	Card slot	1 slot for Micro SIM card, 1 slot for TF card		
	Interfaces	USB Type-C, USB 3.1, OTG, extended thimble		
Performance	CPU	Octa-core, 2.0 GHz		
	RAM+ROM	UFS , 4GB +64GB / 6GB +128GB (optional)		
	Expansion	Supports up to 256GB Micro SD (TF) card		
Communication	WLAN	Support 802.11 a/b/g/n/ac/ax-ready, Support Fast roaming		
	Vo-LTE	Support Vo-LTE HD video voice call		
	Bluetooth	Bluetooth 5.0		
	GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna		
	WWAN	2G: GSM850/GSM900/DCS1800/PCS1900		
3G: CDMAEVDO: BC0 WCDMA: 850/900/1700/1900/2100 MHz TD-SCDMA: A/F (B34/B39)				
4G: B1,B2,B3,B4,B5,B7,B8,B12,B13,B17,B20,B28,B38,B39,B40,B41				
Data Collection	Camera	Rear Camera	Rear 13 MP Autofocus with flash	
	NFC	Frequency	13.56MHZ	
		Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.	
		Chips	M1 card (S50, S70), CPU card, NFC tags, etc.	
		Range	2-4cm	
	Barcode Scanning (optional)	2D Scanner	Zebra: SE4710/SE55; Honeywell: N6603/N6703; CM60	
		1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.	
		2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal(KIX), etc.	
Developing Environment	Operating System	Android 13		
	SDK	Chainway Software Development Kit		
	Language	Java		
	Tool	Eclipse / Android Studio		
User Environment	Operating Temp.	-22°F to 122°F / -30°C to 50°C		
	Storage Temp.	-40°F to 158°F / -40°C to 70°C		
	Humidity	5% RH to 95% RH (non condensing)		
	Drop Specification	Passed 1.5-meter (4.92 ft) drop test compliant with MIL-STD-810 Hmilitary standard		
	Tumble Specification	1000 x 0.5 m /1.64 ft. falls at room temperature		
	Sealing	IP67 per IEC sealing specifications		
	ESD	+15 KV air discharge, +8 KV conductive discharge		
Accessories	Standard	Power adapter, USB cable, Wrist Strap, lanyard;		
	Optional	Separate handle with one button;Charging Cradle; Handle + battery (handle battery 5000 mAh, one button)		

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