CHAINWAY®

C61-Cold

Mobile Computer

Android | 4G | Wi-Fi | Bluetooth | 1D Barcode | 2D Barcode | NFC | Camera | GPS

Chainway C61-Cold , specializing for cold-chain warehousing, is Shenzhen Chainway's industrial-grade and smart handheld terminal with high performance. It could work normally and decode efficiently in low temperature and high relative humidity enviroment of -30°C / -22°F by equippments with 6400 mAh large-capacity battery of low temperature resistance and professional anti-condensation screen. Meanwhile it supports NFC and other functions, and features dual-band Wi-Fi antenna intently optimizing for indoor applications and scenarios. All of these characteristics make this model perfect to be deployed in in/out storage, inventory and sorting for cold-chain enviroment and significantly improve work efficiency.

Specification

Physical Characteristics

Dimensions	202.0 x 72.5 x 32.0mm / 7.95 x 2.85 x 1.26in.
Weight	370g / 13.05oz. (SE4710) ; 404g / 14.25oz. (SE4850)
Keypad	Main keyboard (optional) : 27 keys / 37 keys / 47 keys; Side keys: 2 scan keys + 2 volume keys + 1 user-defined key
Battery	6700 mAh removable main battery, 5200 mAh optional pistol battery, support QC3.0 and RTC
	Continuous use: 5.5 hours (continuous scan at 500ms interval at -30° C / -22°F)
Display	4-inch industrial-grade low-temperature-resistant capacitive touch screen, gloves and wet hands supported
	800*480
Touch Panel	Multi-touch panel, gloves and wet hands supported
Sensor	Accelerometer sensor, light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	2 microphones, 1 for noise cancellation; 2 speakers; receiver
Card slot	1 slot for 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	3GB + 32GB / 4GB + 64GB
Expansion	Supports up to 256GB Micro SD (TF) card

Developing Environment

Operating System	Android 11/13; GMS, 90-day security updates, Android Enterprise Recommended, Zero-Touch, FOTA, Soti MobiControl, SafeUEM supported. Committed support for a future upgrade to Android 18 pending feasibility
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	Multiple 1.8m / 5.9ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m / 1.64ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	± 15KV air discharge, ± 8KV conductive discharge

Communication

WLAN	Support 802.11 a/b/g/n/ac/ax-ready/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6, 5G PA;
	Fast roaming: PMKID caching, 802.11r, OKC
	Operating Channels: 2.4G (channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120, 124,128,132,136,140,144,149,153,157,161,165), Depends on local regulations
	Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, etc.
WWAN (Europe, Asia)	2G: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BC0
	WCDMA: 850/900/1900/2100 MHz
	TD-SCDMA: A/F(B34/B39)
	4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B2/B4/B5/B7/B12/B13/B17/B28A/B28B/B38
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 5.1
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

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/SE4750SR/SE4750MR/SE4750DP/SE4850; Honeywell: N6603/EX30
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.

Optional accessories(See details in Accessory Guide)

Separate handle with one button;

Handle + battery (handle battery 5200 mAh, one button) ;

UHF back clip + handle (5200 mAh, one button) ;

Wrist Strap; Charging Cradle

Notice: Product specifications are subject to change without prior notice. / Model: C61-Cold / Update Date: 2025-09-15

CHAINWAY®

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