

Ultra-low temperature resistant
PDA for cold chain

SU710



- Ultra-low temperature resistant design
- down to -30°C



- Outstanding ruggedness
- Extreme drop resistance



- 5200mAh low temperature battery
- Long-lasting battery life



- +10/20 meter ultra-long range
- Optional scanning configuration



● Ultra-low temperature resistant design , down to -30°C

Adopting ultra-low temperature resistant heat insulation structure integration design, low temperature battery, internal cavity heating and other new anti-low temperature technologies, and waterproof and anti-seepage sealing design, oil and hydrophobic screen coating process and other professional anti-condensation technologies, adapting to the -30 °C to +50 °C working temperature zone, -40 °C to +70 °C storage temperature zone, to meet the needs of ultra-low temperature operation.

- **Outstanding ruggedness , extreme drop resistance**

Through 1000 times of one meter height roll down impact, 1.8 meters of cement floor fall prevention, IP68 dustproof and waterproof and other reliability verification, with excellent anti-drop, anti-roll, scratch-resistant, shatter-resistant characteristics, excellent resistance to manufacturing, to meet the high durability requirements of a variety of cold storage environments.

- **High-density wide-angle, +10/21-meter ultra-long-range scanning configuration**

Provide high-density wide-angle + 10 m / 21 m ultra-long distance, two scanning capabilities optional configuration, to meet the full range of cold storage operations, such as frost, moisture, damage, bubble bags and other difficult bar code scanning needs, and high shelves in the scene of the ultra-long-distance bar code scanning needs.

- **5200mAh low-temperature battery, long-lasting battery life guarantee**

5200mAh low-temperature battery, 6700mAh room temperature temperature battery, hot-swap power exchange without shutting down the design, a machine with a single seat charger backup combination, long-lasting capacity to ensure that all-round protection of the stability and continuity of the process of cold storage operations.

- **High-end configuration, faster and smoother**

Octa-core 2.2GHz high-end processor chip, large-capacity memory, Android 14 latest-generation operating system, capable of multi-threaded processing, rapid computing, to meet the higher business efficiency of high-performance configurations, easy to manage all kinds of cold chain operations and management of complex applications, smooth and fluid operation.

● New efficient and practical design

Innovative 『scanning+shooting』 integrated design, to meet the coexisting functional requirements of being able to take pictures and having a scanning handle, to improve the efficiency of data collection in cold storage operations. 2W loud speaker, 2.4G/5G dual-frequency Wi-Fi, and three optional configurations of keyboards, tailored for cold storage environments, to provide more efficiency-oriented functional design.

Performance Characteristics

CPU	Octa-core 2.2 GHz
Operating System	Android 14.0
RAM	4GB (Optional 6GB, 8GB)
ROM	64GB (Optional 128GB, 256GB, 512GB)

Physical Characteristics

Dimensions	212(W)×75(H)×32.5(T)mm
Weight	15.87oz. / 449g (Handle not included, Battery included)
Display	4.3 in., 800(H)×480(W) WVGA, industrial-grade IPS display
Imager Window	Corning® Gorilla® Glass
Touch Panel	Corning® Gorilla® Glass Capacitive touch panel, Support Water&Gloves Touch Mode
Backlight	450 NITS, LED
Power	Removable lithium-ion battery, rated capacity 5200mAh, support for battery replacement without disconnection 9V/2A 18W PE fast charging (optional)
Expansion Slot	MicroSD card, support SDHC, SDXC, up to 512GB
Expansion Ports	2 Pin Rear connection: Trigger key signal 4 Pin Bottom connection: Charging port 5V/2A, Support USB communication and OTG mode
SIM Slots	1 x Nano SIM

PSAM Slots	Optional 1x PSAM
Notifications	Beep; Multi-color LEDs (System Alert Light, Heat Alert Light, Scan Light); Vibration Motor
Network Connections	2G/3G/4G , Wi-Fi, Bluetooth , Support Ethernet Dock
Voice and Audio	Speaker, Receiver, Dual Mic,USB Type-C headset support
Keypad	38 keys isolation keyboard, two side scan key; optional 47 keys / 29 keys
Interface Ports	Bottom USB 2.0, OTG - host/client (Type-C)

Data Capture

Scanning	ME5066/SE4750/N6803/EX30 etc. professional 2D scanning engine
Camera	Front 5 MP fixed focus; f/2.4 aperture Rear 13 MP auto focus; f/2.2 aperture; Flash LED(with handle: rear camera and sweeping head combined in scanning position / without handle: rear camera on the back)
NFC	High RF output power; ISO15693、ISO14443A/B、MIFARE: Mifare S50,Mifare S70,Mifare UltraLight,Mifare Pro,Mifare Desfire 、FeliCa Supported cards
Sensor	Proximity sensor, Light sensor, Accelerometer , Gyroscope, Compass,IR(optional)

Network connection

Wireless WAN	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28A/B28B/B66/B71 TDD-LTE: B34/B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 CDMA 1x: BCO GSM: 850/900/1800/1900
GPS	GLONASS, NavIC, Beidou, GPS, QZSS, Galileo
Wireless LAN	IEEE 802.11 ac/a/b/g/n/d/e/h/i/j/k/r/v/w (2.4G/5G Dual band WIFI) Supports 802.11r Fast Roaming
Bluetooth	BT5.2+BR/EDR+BLE Communication distance>10m

User Environment

Operating Temp	-30℃ to +50℃ (screen and scan window can be heated)
Storage Temp	-40℃ to +70℃
Humidity	5% to 95% , non-condensing
Sealing	IP68
Drop Specification	1.8m (concrete floor)
Tumble Specification	Withstand 2000 drops of 0.5m (1000 rolling impacts)
Electrostatic Discharge	+/-15 kV air discharge, +/-8 kV direct discharge

Accessories

Standard	Adapter Charger ×1、USB Type-C cable ×1、 Rechargeable Battery ×1、Hand Strap×1 (Without handle) /lanyard x1 (Includes handle)
Optional	Single-Slot Charge (USB/Ethernet) 、 Snap on Trigger Handle、 OTG Cable