AUTOID Q7-(Cold)

Dedicated to Supply Chain Warehousing

This device is specifically designed for cold chain applications, expertly engineered to tackle extreme cold environments and cold chain logistics scenarios. It remains unfazed by severe cold challenges, featuring intelligent heating and professional defogging capabilities, with operational reliability down to -25 degree centigrade ultra-low temperatures. Additionally, it offers an optional advanced-range scanner and is equipped with a 6200mAh low-temperature-resistant high-capacity battery along with a battery safety detection system, meeting the stringent demands of cold chain logistics operations.

Product Features

❄ DESIGNED FOR COLD ENVIROMENTS

It operates reliably at ultra-low temperatures of -25°C. Equipped with low-temperature resistant lenses and an intelligent lens heating system, it eliminates fogging caused by extreme temperature variations. The scanner is optimized to ensuring accurate recognition of barcodes under challenging conditions such as frost, damage, or moisture.

ULTRA-RUGGED TO CHALLENGE DEMANDING ENVIRONMENTS

With improved protection around the scan window, the AUTOID Q7-(Cold) has an ultra-rugged design with enhanced durability. More than 60 tests of reliability have been successfully completed by the SEUIC CNAS Lab.

WIFI SUPERIOR WIFI CONNECTION

The AUTOID Q7-(Cold) reduces the cost of enterprise networks by solving the problem of inadequate signal coverage. AP deployments with high density are also resolved, ensuring smooth device communication. The AS/RS data transmission solution also supports real-time data transmission.

6200mAh Powerful Battery

This AUTOID Q7-(Cold) is equipped with a High-Capacity Battery, capable of performing a warm battery swap with the handle and can work for a maximum of two shifts at a time. It also support battery health monitoring system, precisely displays power level, health status, and cycle count. Simplifies power management.

Specifications

Physical Characteristics	
Dimensions	8.0 in. L × 2.8 in . W × 1.06 in. H 203 mm L ×72 mm W ×27 mm H (width 70mm side keys excluded)
Weight	17.5 oz. /495 g (battery and pistol grip included,) 14.8 oz. /420 g (battery included, without pistol grip)
Display	4.0 in. (480 x 800)(WVGA);
Touch Panel	Industrial grade low temperature resistant, Capacitive, touchable, dual mode touch-with or without a thick glove / with or without wet hand
Power	Detachable 3.7V rechargeable Li-ion battery, Standard battery: Average capacity 6200mAh Built in li-ion backup battery Intelligent identification of PC and special charger; support Charging Cradle
Expansion Slot	Micro SD Card, 256GB SDHC compatible
Interface/ Communication	Support OTG
Notifications	Sound, Vibrator, LED indicator
Keypad	38 Keys Key + 2 scan keys on the left and right sides, LED(buttons with backlight)
Voice and Audio	Built-in loudspeaker, built-in dual microphone
Performance Characteristics	
CPU	Qualcomm Octa core 2.0GHz
Operating System	Android 14.0
Memory	4GB RAM/64GB Flash memory
User Environment	
Operating Temp.	-13 °F to 122 °F/-25℃ to +50℃
Storage Temp.	Battery included: -40 °F to 158 °F/-40 °C to +70 °C
Humidity	5% to 95% RH non-condensing
Drop Spec.	Multiple 5.9 ft./1.8m drops to marble across the operating temperature range
Tumble Spec.	1,000 1.64 ft./0.5 m tumbles (2,000 impacts)
Sealing	IP65
Electrostatic Discharge (ESD)	±15 kV air discharge, ±8 kV direct discharge
Sensor	Standard: Optical sensor, Proximity sensor Acceleration sensor, electronic compass and gyroscope

Data Capture	
Scanning	Standard range 2D Scan engine Advanced far range 2D Scan engine Camera scanning
Camera	Rear: 13 MP autofocus Resolution: 4208*3120 (taking photo), 1080P@30fps (making video) Support flashlight, can be used for lighting
NFC	Support ISO/EC 15693，ISO/EC 14443A/B HF frequency band 13.56MHz Reading Range: Typical values bigger than 6cm for ISO15693, Typical values bigger than 4cm for ISO/EC 14443A, and Typical values bigger than 1cm for ISO14443B varies by different tags.
Wireless Connectivity	
WLAN	
WLAN Radio	IEEE 802.11a/b/g/n/ac (2.4G/5G dual-frequency WIFI6-Ready)
Frequency Range	Depends on different countries (regions), 2.4GHz: 2.412GHz-2.477GHz; 5GHz: 5.17GHz-5.825GHz
Accessories	
Standard	Power Adapter, USB Cable with end flap clip , Hand Belt, battery
Additional	Four Slot Battery Charger, Single Slot Device Charger include battery, Single Slot Charging Dock include battery (support ehernet), Touch pen, Multifunctional bag, Vehicle charger, OTG data cable, Hand Tether, Five-slot Device Charger, Five-slot Device Charger(support ehernet), Pistol Grip, Tempered glass screen protector
Third Party Application Development Support	
System Software	Android 14.0
System Programming Environment	Android Studio