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—— 优尼麦斯 ——

UK1 Cold

"Clear" the cold scenes obstacles Born for the Cold Chain

Long-lasting cold resistance and stable operation

Due to the special environment in cold storage, there are higher device requirements for moisture-proof and cold-resistant performance.

UK1 Cold's protection has been upgraded to make it robust and durable, avoiding low-temperature moisture from affecting the equipment's maintenance cost.

Dedicated cold chain battery, 5900mAh capacity, ensures long time operation at -30°C for more than 10 hours, easy to use in cold chain warehouse shift rotation.

Break through the cold, "clear" the obstacles

Scanning window of UK1 Cold is vacuum coated, and the fogging can be eliminated shortly afterwards, scanning without wiping the scanning window. Supports ultra-long-distance scanning head with the scanning distance of 21.4 meters at most, which means the high shelf can be reached in one sweep.

Excellence in design, comfortable in operation

Screen supports glove mode and wet hand operation, so it will not be affected by water or fogging in low temperature environments.

Combined keyboard and large touch screen for simplified data entry and quicker operation to meet the demands of fast work.

Ergonomic design with unique back notch for comfortable grip and long hours of use without fatigue and without the device falling off due to cold and wet conditions.



System Configuration

CPU	Qualcomm octa-core 2.0GHz
Operating System	Android 9.0
Memory	2G RAM+16G ROM (Optional 3+32/4+64/6+128)
Expansion Slot	Micro SD card, up to 256 GB
Display	4" 800*480 Capacitive HD IPS LCD
Touch Panel	Industrial-grade capacitive panel, Multi-touch support (supporting operation with gloves, wet hand)
Camera	Rear camera: 8/13 optional megapixels, PDAF
Flashing light	800mA high brightness flash
Battery	Removable 3.6V 5900mAH Li-polymer battery To prevent cold air from entering the PDA, do not replace the battery in cold temperatures
Charging	Type-C charging up to 5V/2.4A
Keypad	IMD anti-wear 26-key, industrial grade backlit keyboard
Audio	Built-in microphone/ Type-C
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor/ Proximity sensor/Light sensor/Geomagnetic Gyroscopes/Electronic compass
Intercom	One-touch PTT call support (optional)

Structural Parameters

Dimensions (LxWxD)	168mm×71mm×33mm
Weight	342 g (Battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia-Europe Versions 2G: B2/B3/B5/B8 3G: WCDMA:B1/B5/B8, CDMA BC10, TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B34/B38/B39/B40/B41 America: 2G: B2/B3/B5 3G: B1/B2/B4/B5; CDMA BC0/BC1 (U.S.A) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/ WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	IEEE 802.11 a/b/g/n/r/ac/ax ready WIFI 5G Amplifier (Dual-band:2.4G+5G)
Bluetooth	Bluetooth 5.1 Support BLE
GPS	GPS/AGPS/BEIDOU/GLONASS/Galileo/QZSS

Environmental Specifications

Development	Enviroment: Android, SDK +JDK +Eclipse Language: Java
Operation Temp.	-30°C ~ 50°C
Storage Temp.	-40°C ~ 70°C
Humidity	0 ~ 95% (non-condensing)
Drop	Multiple falls on 1.5m concrete
Rolling resistance	500 rounds 0.5 m roll (equivalent to 1000 impacts)
Protection level	IP65
ESD	±8kV Contact, ±15kV Air

1D Laser Scanner

Scan Precision	≥4 mil
Scan Depth of Field	3.81 cm- 60.98 cm
Scan Angle	47°± 3° (Standard)
Scan Frequency	102 ± 12 scans/sec. (Bidirectional)

2D Area Imager

Optical Resolution	≥3 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.

NFC

Frequency	13.56 MHz
Reading Distance	30mm
Protocol	ISO14443A/14443B/15693

Input/Output Ports

USB Port	1*Industrial grade TYPE-C, 2*Pin
Charging port	Type-c headset support
OTG	Support

Accessories

Standard	Power adapter, Lithium battery, USB cable, Carrying strap, lanyard
Optional	Pistol grip, Charging base, Quadruplex charger Protective case, bottom charging card clip

Main application areas:



Logistic



Retail



Warehousing



Public



HealthCare



Manufacturing

UNIMES GROUP CHINA

2588 Wuzhong Avenue,Wuzhong District,
Suzhou City, Jiangsu province, P.R.China

Tel:+86 512 6397 6148

Email:info@unimes.net

Website:www.unimes.net

