AUTOID Q7-(Grip)

Dedicated to Supply Chain Warehousing

A Cost-effective Industrial Grade Handheld Terminal Used for Professional Warehousing Applications. Straight shooter, trigger handle, and two-dimensional scanner provide users with cost-effective solutions for long-range scanning and warehousing.

Product Features

LONG-RANGE SCANNING

Using AUTOID Q7-(Grip) allows operators to scan distant barcodes without climbing to the top of a high-level warehouse. The AUTOID Q7-(Grip) is equipped with a long-distance scanning head capable of scanning codes at a distance of 15 meters. As a result, the operator does not have to bend over to align the pallet, and it is easy to scan the code using the AUTOID Q7-(Grip).

ULTRA-RUGGED TO CHALLENGE DEMANDING ENVIRONMENTS

With improved protection around the scan window, the AUTOID Q7-(Grip) 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-(Grip) 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.

5200mAh Powerful Battery

This AUTOID Q7-(Grip) 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. A unique feature of AUTOID Q7-(Grip) is its independent battery meter and the largest capacity among similar models that operate with low power consumption. Security protection was also designed for SW and HW.

Specifications

Physical Characteristics	
Dimensions	8.0 in. L × 2.8 in . W × 1.38 in. H 203 mm L ×72 mm W ×35 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);
Touch Panel	Capacitive touch, supporting wet hand mode and glove mode
Power	Detachable 5200mAh Li-ion rechargeable battery
Expansion Slot	Maximum compatible storage: 32GB
Interface/ Communication	Support USB2.0 Highspeed, support OTG
Notifications	Sound, Vibrator, LED indicator
Keypad	31keys
Voice and Audio	Built-in loudspeaker, built-in dual microphone
Performance Characteristics	
CPU	Cortex™-A53 Octa core 1.8GHz
Operating System	Android 11.0
Memory	4GB RAM/64GB Flash memory
User Environment	
Operating Temp.	-4 °F to 122 °F/-20℃ 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 5.8 ft./1.8 m 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	Honeywell SR 2D Scan engine Zebra SE5500 2D Scan engine Zebra SE4850 2D Scan engine Camera scanning
Camera	Rear: 13 MP autofocus
NFC	Supports tags ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare One S50,S70 and compatible cards); supports NFC Protocol
Wireless Connectivity	
WLAN	
WLAN Radio	IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w (2.4G/5G dual-frequency WIFI)

Data Rates	
Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps
	802.11b: 1, 2, 5.5, 11Mbps
	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
	802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps (20MHz, Long GI, 800ns)
	802.11n: 7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps (20MHz, short GI, 400ns)
	802.11n: 6.5,13,19.5,26,39,52,58.5,65Mbps (20MHz, Long GI, 800ns)
	802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2Mbps (20MHz, short GI, 400ns)
	802.11n: 13.5, 27, 40.5, 54, 81, 108, 121.5, 135Mbps (40MHz, Long GI, 800ns)
	802.11n: 15, 30, 45, 60, 90, 120, 135, 150Mbps (40MHz, short GI, 400ns)
	802.11ac: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78Mbps (20Mhz, Long GI, 800ns
	802.11ac: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7 (20MHz, short GI, 400ns)
	802.11ac: 13.5, 27, 40.5, 5481, 108, 121.5, 135, 162, 180Mbps (40Mhz, Long GI, 800ns)
	802.11ac: 15, 30, 45, 60, 90, 120, 135, 150, 180, 200Mbps (40MHz, short GI, 400ns)
	802.11ac: 29.3, 58.5, 87.8, 117, 175.5, 234, 263.3, 292.5, 351, 390Mbps (80Mhz, Long GI, 800ns)
	802.11ac: 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3Mbps (80MHz, short GI, 400ns)
Working Channel	CH1~CH14, CH34-CH165
Security of WLAN	Safe mode: legacy[3], WPA, WPA2, 802.1X Encrypted mode: WEP40/WEP104, TKIPand AES ID verification: TIS; TTIS(CHAP[3], MSCHAP, MSCHAPv2, PAP or MD5[3]); PEAP(TIS[3], MSCHAPv2, GTC); LEAP;FAST(TIS[3], MSCHAPv2, GTC) Others: Support IPv6
Accessories	
Standard	Power Adapter, USB Cable, Hand Belt, battery
Additional	4-Slot Battery Charger, Single Slot Device Charger include battery, Single Slot Charging Dock include battery (support Ethernet), USB cable with end flap clip, Touch pen, Multifunctional bag, Vehicle charger, OTG data cable, Hand Tether, Five-slot Device Charger, Five-slot Device Charger(support Ethernet), Pistol Grip, Tempered glass screen protector
Third Party Application Development Support	
System Software	Android 11.0
System Programming Environment	Android Studio