MC432

4.3" Qualcomm® Snapdragon™ 660 Rugged Mobile Computer

CE

FC

IP65

KEY FEATURES

- 4.3" 480x800 Panel with PCAP Touch
- Android 10 with GMS
- Qualcomm® Snapdragon™ 660 up to 2.2 GHz
- IP65 waterproof and dustproof
- Rear camera: 16M pixels CMOS color camera with auto focus
- Support 1D/2D Barcode Reader

INTRODUCTION

MC432 is a mobile computer designed with physical keypads for industrial users to enjoy greater productivity. Equipped with a Qualcomm Snapdragon 660 CPU, a 4.3-inch sensitive touch screen, and a 23-key keypad, MC432 delivers an excellent user experience with high efficiency of computing performance. For barcode scanning, MC432 has a built-in Honeywell N4603 scan engine to capture most formats of barcodes. Customers can also choose a more powerful scan engine, such as Honeywell N6703 or Datalogic H2, to meet diverse scanning requirements in their workplaces. MC432 is highly suitable for logistic drivers, warehouse staff, retail clerks, andthe manufacturing workforce, etc.

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	Resolution	480x800
Size	4.3 inches	Panel Brightness	650.0 nits
Type	Projected Capacitive Multi Touch		

System Specification

Processor	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)	Memory	4GB
Storage	64GB	Operating System	Android 10
WLAN	Support	BT	Support
WWAN	4G (Optional)	GNSS	GPS/GLONASS
RFID	NFC (Read / Write, Peer to Peer mode)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors, Proximity Sensor

Camera

Rear Camera	16MP Camera with LED Auxiliary Light (Auto Focus)

Mechanical

Dimension	185.1x 77 x 33.7 mm	Weight	323g

IO Ports

USB Port	1 x USB 3.1 Type C OTG (support charging)	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x Nano SIM Card Slot	Audio	1 x Built-in Mic 1 x Speaker 1 x Receiver

Indicator	1 x LED Indicator		
Environment			
Operating Humidity	5% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65
Drop	1.8m MIL-STD 810G with boot and 1.6m MIL-STD 810G		
Certification			
Certification	CE. FCC, CB, UKCA, IC, NCC, NTC Class B, RoHS, REACH, WEEE, CP65		
Control			
Button	Physical keypad type (23 keys) with white color backlight, Scan key x 2, Volume key x 2, Power key		
Power			
Battery	3.85V 4000mAh Hotswappable Function (Optional)	Power Rating	5V/ 9V
Accessory			
Accessory	Adapter Data Cable (Type C) LCM Protector Hand Strap	Optional Accessory	Spare Battery (Optional) Protective Boot (Optional) Cradle (1 Terminal + 1 External Battery) (Optional)
Barcode Scanner			
Barcode Scanner	1D/2D 30° Barcode Reader		

DIMENSIONS UNIT:MM
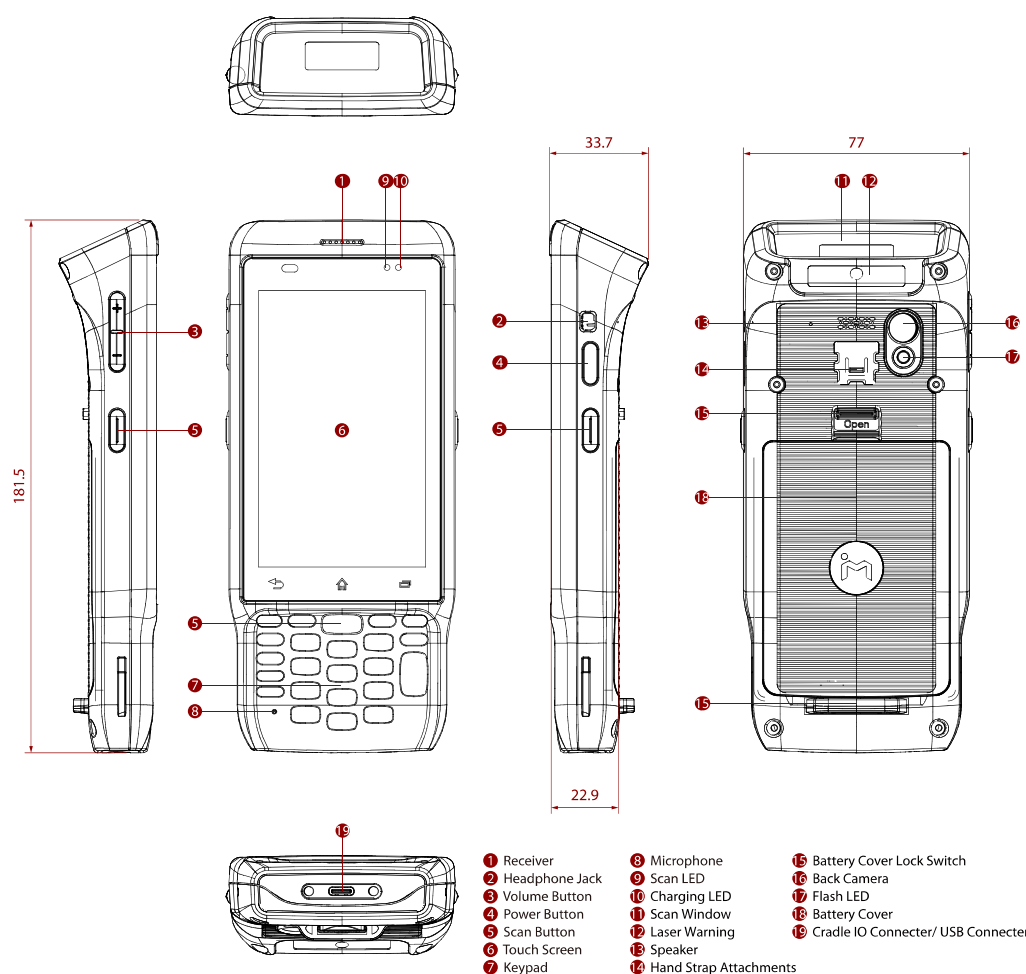
NOTE

1. This is a simplified drawing, and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.

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❶ Receiver	❽ Microphone	⓰ Battery Cover Lock Switch
❷ Headphone Jack	❾ Scan LED	⓰ Back Camera
❸ Volume Button	❿ Charging LED	⓱ Flash LED
❹ Power Button	⓫ Scan Window	⓲ Battery Cover
❺ Scan Button	⓬ Laser Warning	⓳ Cradle IO Connecter/ USB Connecter
❻ Touch Screen	⓭ Speaker	
❼ Keypad	⓮ Hand Strap Attachments	

WINMATE

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Revised:V.260204.260204

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