

P400M9-DMR

4" Multi-mode PoC Radios



KEY FEATURES

- Multi-mode PoC Radios
- Cortex-A73 + Cortex-A53 (Octa-core up to 2.0 GHz)
- 4" 800 x 480 Panel with direct optical bonding
- Supports Android 11
- Support DMR and optional VHF / UHF Radio

INTRODUCTION

The Winmate P400 Rugged Handheld Computer Series combines compact design with powerful performance, making it ideal for industrial and field applications. Featuring a 4" sunlight-readable display with direct optical bonding, and Android 11 support, it ensures seamless multitasking and durability. With optional multi-mode PoC radios, VHF/UHF radio compatibility, and 1D/2D barcode scanning, the P400 Series is perfect for data collection, communication, and mission-critical operations in challenging environments.

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	Resolution	480x800
Size	4.0 inches	Contrast Ratio	800:1
Panel Brightness	550.0 nits	View Angles	80,80,80,80
Type	Projected Capacitive Multi Touch		

System Specification

Processor	ARM A73 x 4 (2.0 GHz) + A53 x 4 (2.0 GHz)	Memory	4GB
Storage	64GB	Operating System	Android 11.0
WLAN	Support	BT	Support
WWAN	4G/LTE (Optional)	GNSS	GPS/AGPS
RFID	NFC (Read / Write, Peer to Peer mode) (Optional)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors

Radio Transceiver

Channel Spacing	DMR: 12.5kHz, Analog: 12.5/25kHz	TX Power	4W/0.5W
RX Sensitivity	≤-121dBm	Digital Vocoder Type	AMBE
Frequency Range	VHF: 136~174MHz or UHF: 400~480 MHz		

Camera

Front Camera	8MP Camera	Rear Camera	13MP Camera with LED Auxiliary Light (Auto Focus)
--------------	------------	-------------	---

Mechanical

Dimension	156.56 x 75 x 26 mm	Weight	360g
-----------	---------------------	--------	------

IO Ports

USB Port	1 x USB Type C OTG	SD Card Slot	1 x Micro SD Card Slot
----------	--------------------	--------------	------------------------

SIM Card Slot	(support PD 2.0 charging)	Audio	1 x Kenwood Audio Combo connector (Mic in or Line Out) 1 x Built-in Mic 1 x Speaker
	1 x Micro SIM Card Slot		
Indicator	1 x LED Indicators (Power, Battery)	Docking Connector	1 x Docking Connector

Environment

Operating Humidity	5% to 95% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Drop	MIL-STD-810H Method 516.8, 4 ft		

Certification

Certification	CE, FCC
---------------	---------

Control

Button	1 x Power Button, 3 x Function Button, 1 x PTT Button, 1 x SOS Button
--------	---

Power

Battery	7.6V 2700mAh	Battery Operating Time	8Hr
Power Rating	15V	Adapter	15V PD Adapter with USB TypeC

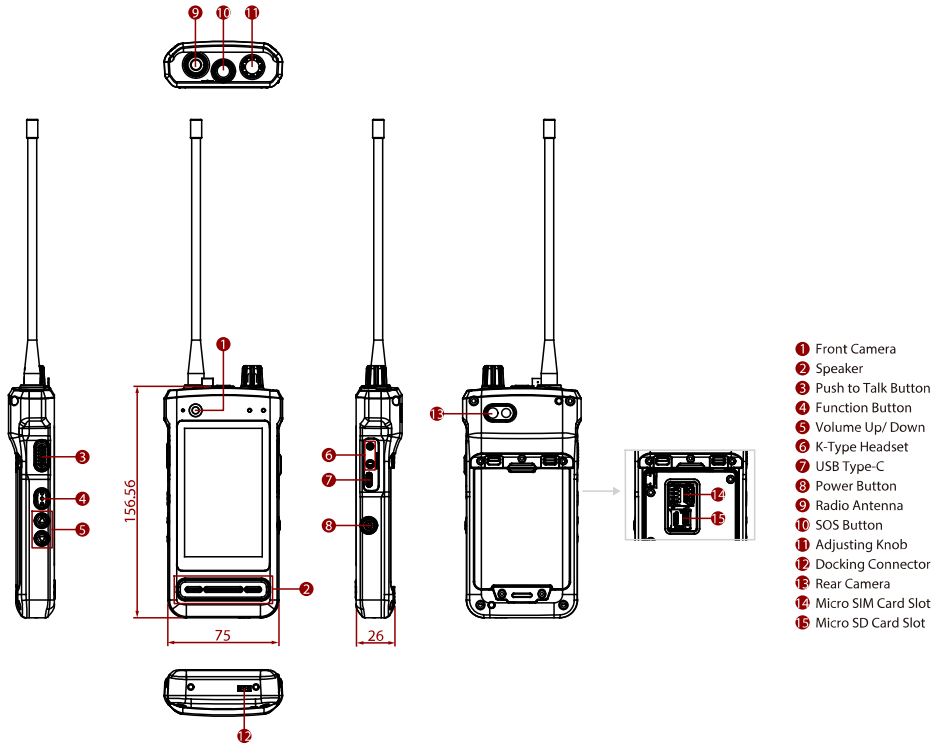
Security Function

SOTI MobiControl	SOTI MobiControl Compliance
------------------	-----------------------------

Accessory

Accessory	UHF/VHF Antenna Universal Adapter Battery	Optional Accessory	USB Type-C Cable Micro SD Card Charging Dock 2 bay Charging Dock 6 bay
-----------	---	--------------------	---

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.