M700DM9

7 inch ARM A73 + A53 Rugged android tablet

CE
FC

KEY FEATURES

- 7 inch android tablet, 1280 x 720 TFT Panel with direct optical bonding
- IP65 waterproof and dustproof
- 4 GB RAM + 64 GB eMMC
- Rated for extreme temperature use
- Supports Android 11.0 OS,Sunlight readable android tablet

INTRODUCTION

Winmate M700 Series Rugged Tablet is a compact and durable solution designed for demanding environments. Featuring a 7-inch sunlight-readable display with direct optical bonding, it ensures clear visibility under any lighting conditions. Powered by advanced processors and supporting Android OS, the M700 Series delivers reliable performance for fieldwork and industrial applications. With IP65-rated protection, extreme temperature tolerance, and lightweight design, it is ideal for logistics, data collection, and outdoor operations.

SPECIFICATIONS

Display

Resolution	1280x720	Size	7.0 inches
Contrast Ratio	800:1	Panel Brightness	650 nits
View Angles	80,80,80,80	Type	Projected Capacitive Multi Touch
Touch Mode	Support Hand / Gloves and Rain Mode	Bonding	Optical Bonding for Sunlight Viewability

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/GLONASS
RFID	NFC (Read / Write, Peer to Peer mode) (Optional)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors

Camera

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

Mechanical

Dimension	212.4 x 132.8 x 19 mm	Weight	550g

IO Ports

USB Port	1 x USB Type C OTG	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x Micro SIM Card Slot	Audio	1 x Audio Combo connector (Mic in and Line Out) 2 x Built-in Mic 1 x Speaker 1 x Earphone
Indicator	2 x LED Indicators (Power, Battery)	Docking Connector	1 x Docking Connector

Environment

Operating Humidity	5% to 95% RH, Non-Condensing	**Operating Temperature**	-10°C to 50°C (Battery mode) -20°C to 60°C (Charging mode)
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, 5 ft		

Certification

Certification	CE, FCC

Control

Button	1 x Volume + ,1 x Volume - , 1 x Power Button, 1 x Home Button, 1 x Menu Button, 1 x Return Button, 1 x Trigger Button

Power

Battery	3.7V 5300mAh Warm swappable function (Optional)	**Battery Operating Time**	20Hr
Power Rating	DC 5V	**Adapter**	Input: 100V-240V AC Output: DC 5V 3A

Security Function

SOTI MobiControl	SOTI MobiControl Compliance

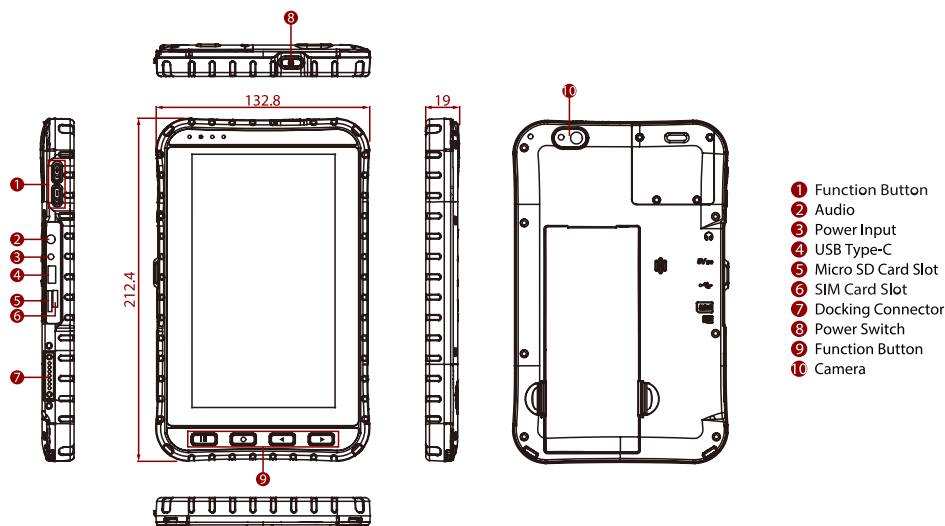## Accessory

Accessory	Universal Adapter x1 Battery x1	**Optional Accessory**	USB Type-C Cable x1 Battery Charging Dock Vehicle Dock (Charging + Connectors) Vehicle Dock (Charging Only) Desk Dock Hand Strap Micro SD Card Capacitive Touch Stylus Vehicle Adapter HDMI Adapter

Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader (Optional)

DIMENSIONS   UNIT:MM

132.8
19
212.4

1. Function Button
2. Audio
3. Power Input
4. USB Type-C
5. Micro SD Card Slot
6. SIM Card Slot
7. Docking Connector
8. Power Switch
9. Function Button
10. Camera

NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. SOTI is available upon request.
3. Length measurements do not include protrusions.
4. The drop test with a high-capacity battery must come with a hand strap.
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. Accessories and integrated options may vary depending on your configuration.
7. This is a simplified drawing and some components are not marked in detail.
8. 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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