M101S-EX

10.1" ATEX Rugged Tablet with Intel® Core™ i5-7200U

KEY FEATURES

- Allows cross-zone operations in hazardous and explosive environments
- Ex Certificate: Class I Division 2 (CID2), ATEX/IECEx Zone 2
- 7th Gen Intel® Core™ i5-7200U Kaby lake processor
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Sunlight readable with anti-glare solution, fully ATEX tablet
- Hot-swappable battery design with optional High capacity battery pack
- IP65 waterproof and dustproof, MIL-STD-810G shock, vibration and drop resistance

INTRODUCTION

Winmate ATEX Rugged Tablet Series is designed for hazardous and explosive environments, offering reliable performance with support for multiple operating systems, including Windows and Android. Featuring sunlight-readable displays with direct optical bonding, IP65-rated protection, and MIL-STD compliance, these tablets ensure durability and usability in challenging conditions. Certified for Class I Division 2 (CID2) and ATEX/IECEx Zone 2, they enable seamless cross-zone operations. Hot-swappable batteries and versatile connectivity enhance productivity across industrial and field applications.
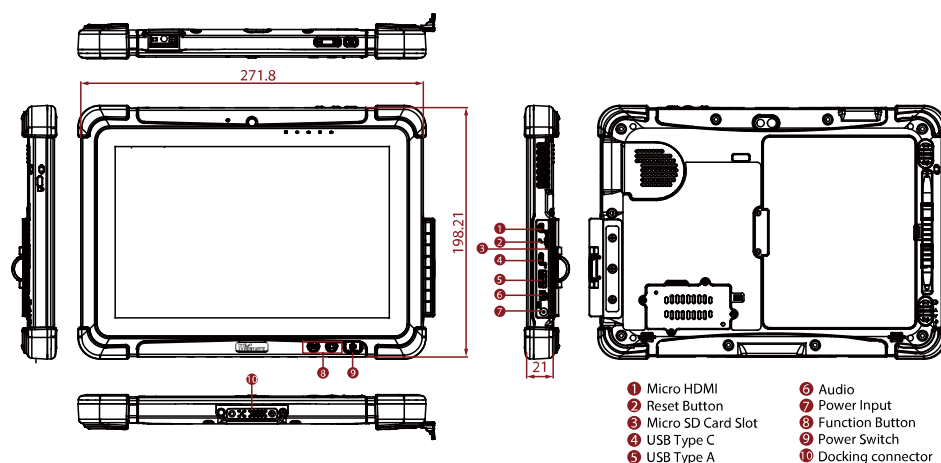
SPECIFICATIONS

Display

Resolution	1920x1200	Size	10.1 inches
Contrast Ratio	800:1	Panel Brightness	800.0 nits
View Angles	85,85,85,85	Type	Projected Capacitive Multi Touch
Viewability	Anti-Glare touch treatment	Bonding	Optical Bonding for Sunlight Viewability

System Specification

Processor	Intel Core i5-7200U 2.5GHz (up to 3.1GHz) Intel Core i5-7300U 2.6GHz (up to 3.5GHz) (Optional)	Memory	8GB DDR4 SDRAM 16GB DDR4 SDRAM (Optional)
Storage	256GB SSD Additional storage available with micro SDXC card slot 512GB SSD (Optional)	Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 10 IoT Enterprise (64 bit)	WLAN	Support
BT	Support	WWAN	4G LTE (Optional)
GNSS	GPS, GLONASS	RFID	HF RFID reader 13.56 MHz (Optional)
Sensors	Light sensor/ G-sensor / Gyro		

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Camera

Front Camera	2MP Front Camera	Rear Camera	8MP Rear Camera with auto-focus and LED light

Mechanical

Dimension	271.8 x 197.2 x 21 mm (10.7 x 7.76 x 0.83 inches)	Weight	1.25 kg (2.75 lbs) with standard battery, 1.45 kg (3.2 lbs) with optional high capacity battery
Cooling System	Fan Design		

IO Ports

USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)	SD Card Slot	1 x Micro SDXC slot
SIM Card Slot	1 x Micro SIM card slot	Video	1 x Micro HDMI (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation Dual Speaker	Indicator	4x LED Indicator for Power, Battery, HDD, RF status
Docking Connector	1 x 19-pin docking connector		

Environment

Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-10°C to 50°C
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65
Drop	MIL-STD-810G Method 516.6, 4 ft		

Certification

Certification	CE, FCC Hazardous Location Safety: IECEx Class I, Zone 2, Ex ic IIC T4 Gc ATEX Class I, Zone 2, II 3G Ex ic IIC T4 Gc Class I, Division 2, Groups A, B, C, D, T4A

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support

Control

Button	1 x Power, 1 x Home 2 x volume key 2 x Programmable function Keys

Power

Battery	Hot-swappable 7.4V, typ. 5140 mAh LiPolymer Battery (2S1P)	Battery Operating Time	Standard. Battery: 8 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz / 19V DC

Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	Optional Accessory	Desk Dock (Optional) Vehicle Dock (without VGA output) (Optional) Vehicle Cradle (Optional) Vehicle Charger (Optional) Battery Charger (Optional) Hand Strap (Optional) Shoulder Strap (Optional) Carry Bag (Optional) VESA Mount Kit (Optional)

Barcode Scanner

Barcode Scanner	1D/2D barcode reader (Optional)

DIMENSIONS   UNIT:MM

271.8

198.21

21

1. Micro HDMI
2. Reset Button
3. Micro SD Card Slot
4. USB Type C
5. USB Type A
6. Audio
7. Power Input
8. Function Button
9. Power Switch
10. Docking connector

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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