

M133TGML(HB)

13.3" Intel® Core™ i5-1135G7 Defence Ultra Rugged Tablet



KEY FEATURES

- 13.3", 1920 x 1080, 500 nits with optical bonding (optional high brightness 800 nits)
- MIL-STD-38999 connector for LAN/ USB2.0 and Power/ RS232 input
- Projected capacitive multi-touch screen
- Supports Glove/ Rain/ Stylus modes, active stylus
- High efficiency cooling system with fanless design
- MIL-STD-810G Compliant
- With IP65 dust and water-resistant certification

INTRODUCTION

Winmate Defence Ultra Rugged Tablet Series is engineered for mission-critical operations in the harshest environments. Available in multiple sizes, these tablets feature daylight-readable displays with optical bonding for enhanced clarity and rugged magnesium alloy housings with IP65-rated protection. Designed with MIL-STD-38999 connectors and ecological seals, they ensure reliable performance against moisture, dust, and vibration. Ideal for defense, field operations, and industrial applications, they provide durability, usability, and adaptability.

SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen	Resolution	1920x1080
Size	13.3 inches	Contrast Ratio	1000:1
Panel Brightness	500 nits 800 nits(Optional)	View Angles	89,89,89,89

System Specification

Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	4GB DDR4 SDRAM 8GB DDR4 SDRAM (Optional) 16GB DDR4 SDRAM (Optional) 32GB DDR4 SDRAM (Optional)
Storage	128GB M.2 SSD up to 2TB M.2 SSD (Optional) Storage 2 up to 1x 2TB M.2 SSD (Optional)	Ethernet controller	1 x RJ45-10/100/1000 Mbps LAN
Security	Trusted Platform Module (TPM) 2.0 Kensington Lock	Operating System	Windows 10 IoT Enterprise 64 bit
WLAN	Support	BT	BT Support
WWAN	4G/ LTE(optional)	GNSS	GPS, GLONASS

Camera

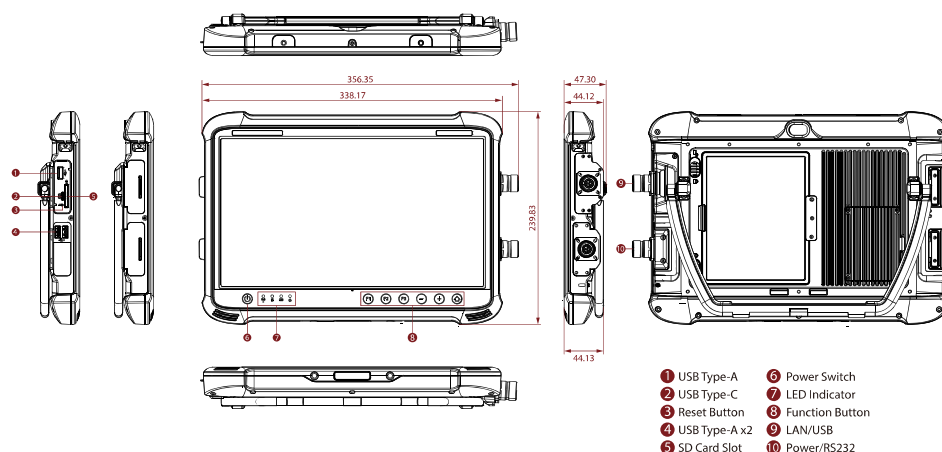
Rear Camera	8MP Rear Camera with auto-focus and LED light
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Mechanical

Dimension	338.2 x 239.8 x 47.3 mm	Weight	2.4 Kg (Without Kickstand),
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Enclosure	Rear Magnesium Alloy Die-Casting Design	Cooling System	2.8 Kg (With Kickstand) Fanless Design
IO Ports			
USB Port	3 x USB 3.0(Type A), 1 x USB 2.0(MIL-STD-38999 connector),1 x USB 3.1(Type C)	Serial Port	1 x RS-232 Serial COM Port(MIL-STD-38999 connector)
SD Card Slot	1 x Micro SD Card Slot	Audio	2 x 1 watt speaker Integrated Digital Mic With Noise Cancellation
LAN	1 x RJ45-10/100/1000 Mbps LAN(MIL-STD-38999 connector)	Indicator	4x LED Indicator for Power, Battery, SSD, RF status
Docking Connector	1 x Docking connector		
Environment			
Operating Humidity	30% to 80% RH, non-condensing	Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)	Shock	USA: MILSTD810H Method 516.8 Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 402–Procedure I (Optional)
Vibration	USA: MILSTD810H Method 514.8 Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (Optional)	IP rating	IP65
Drop	USA: MILSTD810H Method 516.8, 4 ft NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 404–Procedure II, 4 ft (Optional)	TEMPEST	USA: NSA NSTISSAM TEMPEST/192 (Optional) NATO: SDIP27 (Optional)
Certification			
Certification	CE,FCC		
Security Function			
Kensington Lock	Kensington Lock Support		
Control			
Button	1 x Power,1 x menu,2 x volume key 3 x Programmable Function Keys		
Power			
Battery	15.4V, typ. 5900 mAh Li-Polymer Battery (4S1P)	Battery Operating Time	More than 10 hours (BAPCo Tabl etMark v3)
Power Rating	24V DC(MIL-STD-38999/1 connector)	Adapter	100-240V, 50-60Hz / 24V DC
Accessory			
Accessory	Adapter and PowerCord Standard Battery Stylus Stand with Integrated Handle Power/RS232 External Cable LAN/USB2.0 External Cable	Optional Accessory	Shoulder Strap (Optional) Battery Charger (Optional) Active Pen (Optional)

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.