M133MT

13.3" Intel® Core™ ultra 5 125U Industrial Ultra Rugged Tablet

CE
FC
IP65
COMPLIANT MIL-STD 461G

KEY FEATURES

- 13.3" 1920 x 1080 IPS wide viewing angle LED panel
- Intel® Core™ ultra 5 125U Tiger Lake processor
- Removeable kickstand usable as carrying handle
- Magnesium alloy housing with allaround elastomeric rubber
- IP65 waterproof and dustproof
- Fanless cooling system

INTRODUCTION

Winmate M133 Series Ultra Rugged Tablet is built for performance and durability in the toughest environments. Featuring a 13.3" sunlight-readable IPS display with optical bonding, it offers exceptional clarity and usability. Its magnesium alloy housing with elastomeric rubber ensures rugged protection, while IP65-rated waterproof and dustproof design enhances reliability. Equipped with a built-in adjustable kickstand, fanless cooling, and TPM 2.0 for security, the M133 Series is ideal for industrial applications and field operations demanding durability and efficiency.

SPECIFICATIONS

Display

Resolution	1920x1080	Size	13.3 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Type	Projected Capacitive Multi Touch
Bonding	Optical Bonding for Sunlight Viewability		

System Specification

Processor	Intel Ultra 5 processor 125U 2.1 GHz (up to 4.3 GHz)	Memory	8GB DDR5 SDRAM 16GB DDR5 SDRAM (Optional) 32GB DDR5 SDRAM (Optional)
Storage	256GB M.2 NVMe SSD Additional storage available with micro SDXC card slot 512GB M.2 NVMe SSD (Optional) 1TB M.2 NVMe SSD (Optional) 2TB M.2 NVMe SSD (Optional)	Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	WLAN	Support
BT	Support	WWAN	4G LTE (Optional)
GNSS	GPS, GLONASS	RFID	HF RFID reader 13.56 MHz (Optional)

Mechanical

Dimension	338.2 x 239.8 x 33.8 mm	Weight	2.4 Kg (Without Kickstand), 2.5 Kg (With Kickstand)
Cooling System	Fanless Design		

IO Ports

USB Port	3 x USB 3.0 Type A, 2 x USB 2.0 Type A, 1 x USB 3.0 Type C	Serial Port	1 x RS232 (DB9)

SD Card Slot	1 x SDXC Slot	Audio	2 x 1 watt speaker
LAN	1 x RJ45-10/100/1000 Mbps LAN	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	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	EMC	MIL-STD-461G CE101, CE102, RE101, RE102, CS118 (Default) MIL-STD-461G CS101, CS114, CS115, CS116, RS101, RS103 (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

Camera

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

Power

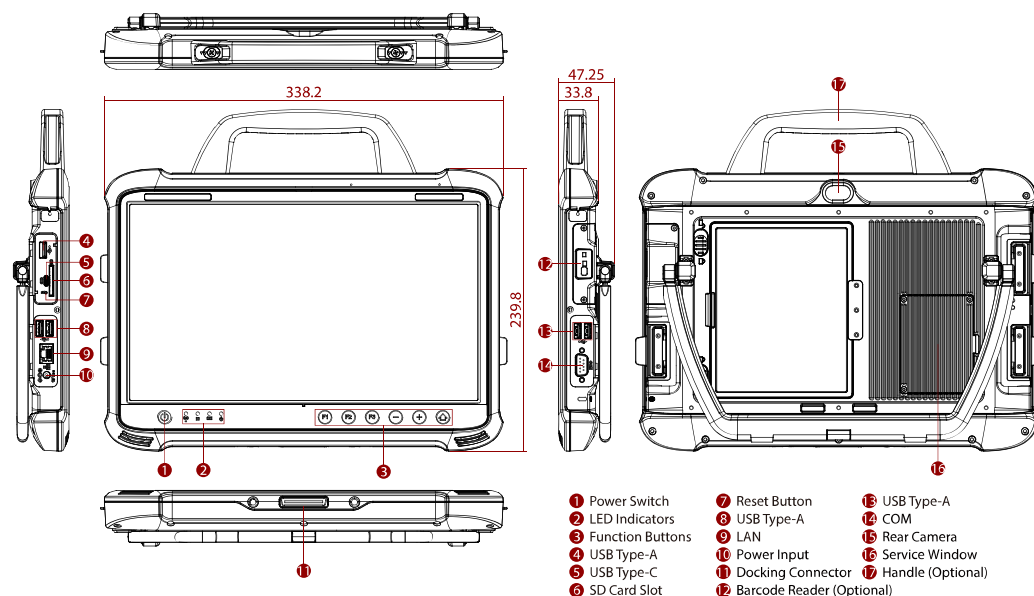| Battery	15.4V, typ. 5900 mAh Li-Polymer Battery (4S1P) Hot-Swap Battery (Optional)	Power Rating	19V DC
Adapter	100-240V, 50-60Hz / 19V DC		

Accessory

Accessory	Adapter and Power Cord Standard Battery Stand with Integrated Handle	Optional Accessory	Vehicle Charger (Optional) Battery Charger (Optional) Desk Docking (Optional) Vehicle Dock (Optional) Stylus (Optional) Shoulder Strap (Optional) Handle (Optional)

Barcode Scanner

Barcode Scanner	1D/2D barcode reader (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.

❶ Power Switch
❷ LED Indicators
❸ Function Buttons
❹ USB Type-A
❺ USB Type-C
❻ SD Card Slot
❼ Reset Button
❽ USB Type-A
❾ LAN
❿ Power Input
⓫ Docking Connector
⓬ Barcode Reader (Optional)
⓭ USB Type-A
⓮ COM
⓯ Rear Camera
⓰ Service Window
⓱ Handle (Optional)