M133WKU

13.3" Industrial Ruggedized Tablet with Intel® Core™ i5-8265U

CE

FC

IP65 — INGRESS PROTECTION

COMPLIANT MIL-STD 810G

KEY FEATURES

- Intel® Core™ i5-8265U Whiskey Lake processor industrial tablet
- 13.3" 1920 x 1080 IPS wide viewing angle LED Panel
- Magnesium alloy housing with all-around elastomeric rubber
- Built-in kickstand usable as carrying handle(indefinitely adjustable)
- Cold swap Battery Pack
- IP65 waterproof and dustproof
- Optical bonding technology
- TPM 2.0

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 Core i5-8265U 1.6GHz (up to 3.9GHz)	**Memory**	4GB SODIMM DDR4-2400 8GB SODIMM DDR4-2400 (Optional) 16GB SODIMM DDR4-2400 (Optional)
Storage	Storage 1: 1 x 128GB M.2 SSD Additional storage available with SDXC card slot Storage 1 up to 1x 1TB M.2 SSD (Optional) Storage 2 up to 1x 1TB M.2 SSD (Optional)	**Security**	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Ubuntu 18.04	**WLAN**	Support
BT	Support	**WWAN**	4G LTE (Optional)
GNSS	GPS/GLONASS (Optional)		

Mechanical

Dimension	338.20 x 239.82 x 33.80 mm	**Weight**	2.2kg (w/ kickstand)
Cooling System	Fanless Design		

IO Ports

USB Port	4 x USB 3.0 Type A, 1 x USB 3.0 Type C	**SD Card Slot**	1 x SDXC Slot
SIM Card Slot	1 x Micro SIM card 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		

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
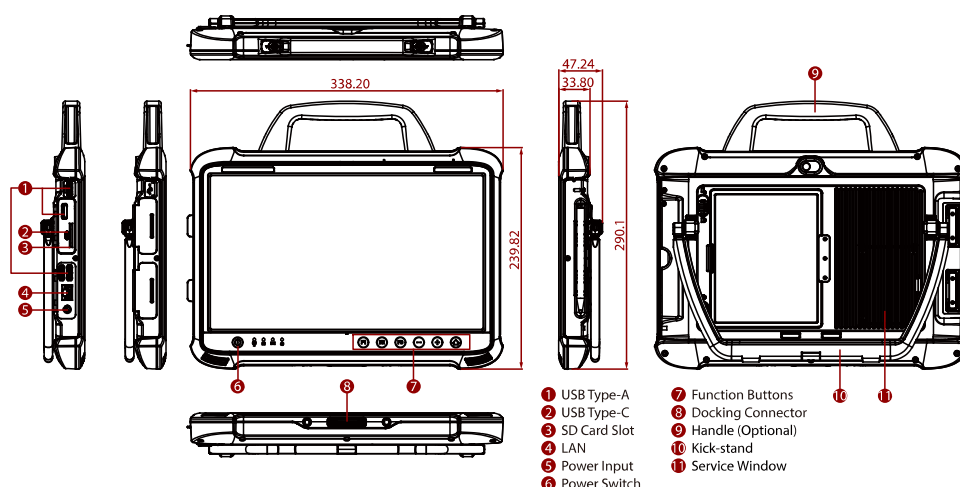
Battery	15.4V, typ. 5900 mAh Li-Polymer Battery (4S1P)	**Battery Operating Time**	More than 10 hours (BAPCo Tabl etMark v3)
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz / 19V DC

Accessory

Accessory	Adapter and Power Cord Standard Battery Stylus Stand with Integrated Kickstand	**Optional Accessory**	Vehicle Charger (Optional) Battery Charger (Optional) Desk Docking (Optional) Handle (Optional)

DIMENSIONS UNIT:MM

338.20
239.82
47.24
33.80
290.1

1 USB Type-A
2 USB Type-C
3 SD Card Slot
4 LAN
5 Power Input
6 Power Switch
7 Function Buttons
8 Docking Connector
9 Handle (Optional)
10 Kick-stand
11 Service Window

NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. TPM 2.0 is available upon request.
3. Length measurements do not include protrusions. Weight varies with options.
4. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
5. This is a simplified drawing and some components are not marked in detail.
6. 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.