D140-H

14" High-Brightness Windows Rugged Tablet PC with Intel® Core™ i5-1235U



KEY FEATURES

- Intel® Core™ i5-1235U Alder Lake processor
- 14-inch tablet, 1920 x 1080 wide viewing angle LED panel
- High brightness with optical bonding for sunlight readability
- Magnesium Alloy Housing with All-Around Elastomeric Rubber
- Thermal design with a fan cooling system
- Built-in stylus holder for left/right-hand usage

INTRODUCTION

The Winmate D140-H is a 14-inch Windows rugged tablet PC powered by the Intel® Core™ i5-1235U Alder Lake processor. Its Full HD 1920 × 1080 display combines high brightness, wide viewing angles, and optical bonding to improve readability in sunlight and high-ambient-light environments. An IP65-rated magnesium alloy housing with all-around elastomeric rubber protection enhances durability for harsh field and industrial conditions. Fan-assisted cooling supports stable performance, while the built-in stylus holder accommodates both left- and right-hand use for field service, inspection, factory, and mission-critical applications.

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	**Resolution**	1920x1080
Size	14.0 inches	**Contrast Ratio**	1000:1
Panel Brightness	800.0 nits	**View Angles**	89,89,89,89

System Specification

Processor	Intel Core i5-1235U (up to 4.4GHz)	**Memory**	1 x 8GB (up to 32GB)
Storage	128GB SSD (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB SSD (Optional) 2TB SSD (Optional)	**Security**	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit)	**WLAN**	Support
BT	Support	**WWAN**	4G LTE (Optional)

Mechanical

Dimension	355.55 x 250.71 x 32.1 mm	**Weight**	2.4 Kg (Without Kickstand), 2.5 Kg (With Kickstand)
Cooling System	Fan Design		

IO Ports

USB Port	4 x USB 3.2 Type A, 2 x USB 3.0 Type C (PD/ALT Mode)	**Audio**	2 x 1 watt speaker
LAN	1 x RJ45 10/100/1000 Mbps LAN	**Indicator**	4x LED Indicator for Power, Battery, WiFi, LTE

Environment

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Operating Humidity	30% to 80% RH, noncondensing	**Operating Temperature**	-20°C to 60°C
Storage Temperature	-30°C to 70°C	**Shock**	MIL-STD-810H Method 516.6 Procedure I
Vibration	MIL-STD-810H Method 514.6 Procedure I	**IP rating**	IP65
Drop	MIL-STD-810H Method 516.6 Procedure IV, 4 ft		

Certification

Certification	CE, FCC

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock Support

Control

Button	1 x Power, 1 x F1, 1 x F2, 1 x Key Lock, 1 x Keyboard, 1 x Home key

Power

Battery	10.9V, typ. 6700 mAh, 73.03Wh LiOn Battery (3S2P)	**Battery Operating Time**	Standard. Battery: 8 hours
Power Rating	20V DC	**Adapter**	100-240V, 50-60Hz / 20V DC / Type-C

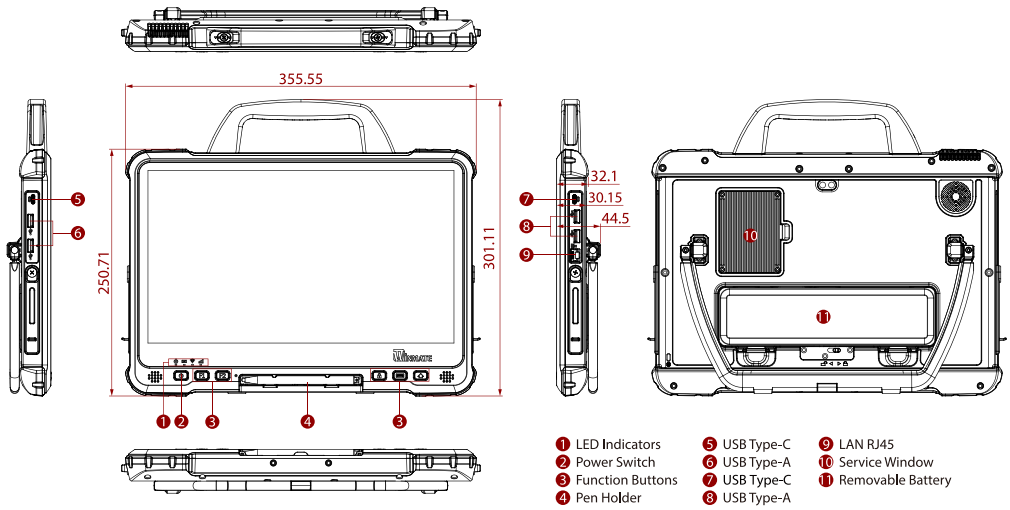
Accessory

Accessory	Adapter and Power Cord Standard Battery	**Optional Accessory**	Stand with Integrated Handle (Optional) Top Handle (Optional)

Camera

Rear Camera	8MP Rear Camera with autofocus and LED light (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.

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