M140TG
14" Intel® Core™ i5-1135G7 Windows Rugged Tablet

Backplane Systems Technology Pty Ltd

TEL 02 9457 6400
sales@backplane.com.au
www.backplane.com.au

KEY FEATURES

- 11th Gen. Intel® Processor Family – Tiger Lake Processor
- 14-inch tablet, 1920 x 1080 wide viewing angle LED Panel
- Optical bonding and Antiglare technology for sunlight readability
- IP65 waterproof and dustproof
- Hot-swappable battery for whole day work
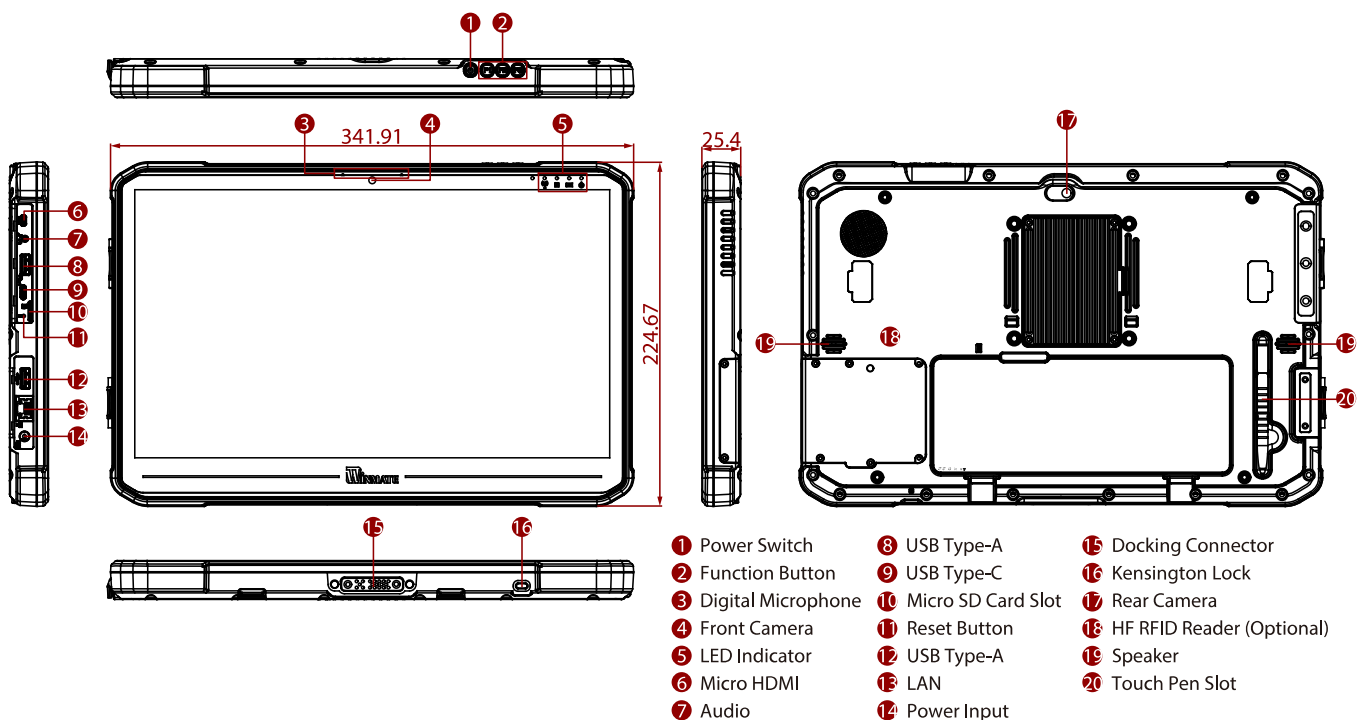- Optional integrated Smart Card Reader

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	**Resolution**	1920x1080
Size	14 inches	**Contrast Ratio**	800:1
Panel Brightness	700 nits	**View Angles**	85,85,85,85
Type	Projected Capacitive Multi Touch		

System Specification

Processor	Intel® Core™ i5-1135G7 @ 2.40GHz, up to 4.20GHz 8M Cache; 4 cores	**Memory**	4GB DDR4 SDRAM 8GB DDR4 SDRAM (Optional) 16GB DDR4 SDRAM (Optional) 32GB DDR4 SDRAM (Optional)
Storage	128GB SSD Additional storage available with micro SDXC card slot 256GB SSD (Optional) 512GB SSD (Optional) 1TB SSD (Optional) 2TB 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**	Support
WWAN	4G LTE (Optional)	**GNSS**	GPS, GLONASS (Optional)
RFID	HF RFID (Optional)	**Sensors**	Light sensor/ g-sensor / Gyro
Smart Card Reader	Smart Card Reader Comply with ISO7816-1.2.3 T=1 and T=Ø protocol (Optional)		

Camera

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

Mechanical

Dimension	341.91 x 224.67 x 25.4 mm	**Weight**	1.7 kg
Cooling System	Fan design		

IO Ports

USB Port	2 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 Nano 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	LAN	1 x RJ45-10/100/1000 GigaLAN port
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	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65 certified, dustproof and waterproof
Drop	MIL-STD-810H Method 516.8, 4 ft		

Certification

Certification	CE, FCC

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support

Control

Button	1 x Power,3 x function keys

Power

Battery	Internal Battery: 10.8V typ. 2400 mAh Li-Ion Battery Hot-swappable 11.4V, typ. 3500 mAh Li-Ion Re-chargeable Battery (3S1P)	Power Rating	19V DC
Adapter	100-240V, 50-60Hz / 19V DC		

Accessory

Accessory	Adapter and Power Cord Standard Battery	Optional Accessory	Kickstand (Optional) Vehicle Charger (Optional) Battery Charger (Optional) Shoulder Strap (Optional) Carry Bag (Optional) Stylus (Optional)

Barcode Scanner

DIMENSIONS   UNIT:MM

14" Windows Rugged Tablet

341.91

25.4

224.67

❶ Power Switch	❽ USB Type-A	⓯ Docking Connector
❷ Function Button	❾ USB Type-C	⓰ Kensington Lock
❸ Digital Microphone	❿ Micro SD Card Slot	⓱ Rear Camera
❹ Front Camera	⓫ Reset Button	⓲ HF RFID Reader (Optional)
❺ LED Indicator	⓬ USB Type-A	⓳ Speaker
❻ Micro HDMI	⓭ LAN	⓴ Touch Pen Slot
❼ Audio	⓮ Power Input	

WINMATE

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.