

User Manual

xTablet T1180



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Revision History

- Version: 1.0
- Date: 09, 2019

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and radiates radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio TV technician for help.

NOTE

- ▶ The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- ▶ Shield interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- ▶ This device may not cause harmful interference.
- ▶ This device must accept any interference received, including interference that may cause undesired operation.

FCC/IC RF Radiation Exposure and SAR Statements

The xTablet T1180 has been tested for body-worn Specific Absorption Rate (SAR) compliance. The FCC/IC has established detailed SAR requirements and has established that these requirements. This model meets the applicable government requirements for exposure to radio frequency waves. The highest reported SAR level for usage near the body (0mm) is 0.99 W/kg, and for the simultaneous transmission is 1.56W/kg.

IC Statements

This device complies with Industry Canada RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. il ne doit pas produire de brouillage et
 2. l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.
- ▶ This Class B digital apparatus complies with Canadian ICES-003.
 - ▶ Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



CE Conformity

This device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive.

Battery Regulations

European Union: Batteries, battery packs, and accumulators should not be disposed of as unsorted household waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.



Taiwan: For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

California, USA: The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California.
For further information please visit: <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>

Safety Guideline for Using Lithium Battery

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

WEEE Statement



European Union: Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

Safety Instructions



Read the safety instructions carefully and thoroughly. All cautions and warnings on the equipment or user's manual should be noted.



Keep this equipment away from humidity and high temperature.



The openings on the enclosure are used for air convection to prevent the equipment from overheating. Do not cover the openings.



- Do not leave the equipment in an unconditioned environment with a storage temperature above 60°C (140°F) or below -20°C (-4°F), which may damage the equipment.
- This unit should be operation under maximum ambient temperature of 50°C (120°F) or under 60°C (140°F) for light loading applications.

Followings are requirements of battery storage:



1. If the storage duration is within 3 months, please remain the temperature at -20° ~45°C ; If the storage duration is above 3 months but within 1 year, please remain the temperature at 23°± 2°C.
2. The battery capacity should remain at 30 ± 5%.
3. The storage humidity should remain at 65 ± 25%RH.
4. The battery charging temperature should be 10° ~45°C , the discharging temperature should be -20° ~60°C.
5. For the maximum battery discharging performance, please remain the storage temperature at 25°C.



Make sure the power voltage is within safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet.

- Always unplug the AC power cord before installing any add-on card or module to the equipment.
- Always disconnect the AC power cord or uninstall the battery pack or switch off the wall socket if the equipment would be left unused for a certain time to achieve zero energy consumption.



Place the power cord in a way that people are unlikely to step on it. Do not place anything on top of the power cord.



Always keep the strong magnetic or electrical objects away from the tablet.



Never pour liquid into the opening that could damage the equipment or cause an electrical shock.

If any of the following situations arises, get the equipment checked by a service personnel:



- The power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment has not worked well or you can not get it work according to User's Manual.
- The equipment was dropped and damaged.
- The equipment has obvious signs of breakage.

Green Product Features



- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.

Introduction

Congratulations on the purchase of MobileDemand's xTablet® T1180. Designed and tested to meet our exacting standards ensures dependability and customer satisfaction.

Refer to this manual to guide you through the basic functions and features.

Unpacking

Unpack the shipping carton and check all items carefully. If any item is damaged or missing contact your local dealer immediately. Please keep the box and packing materials in the event you need to ship the unit. The package should contain the following items:

- XTablet T1180
- AC/DC adapter and AC power cord
- String (optional)
- Hand strap (optional)
- Brief case handle (optional)
- Stylus (optional)
- Stylus holder (optional)
- Quick Start Manual(optional)

Product Overview



1. Status LED

Power

- Green OFF: Power off(S5)/Hibernation(S4)/charging
- Green ON: Power on(S0) while not charging
- Flashing Green: Standby(S0iX)/Sleep(S3) while not charging

Battery

- Orange OFF: Battery is fully charged or not charging
- Orange ON: Battery is charging while system ON and OFF
- Blinking Orange (1Hz): Battery is charging while system Standby(S0iX)/Sleep(S3)
- Blinking Orange (4Hz): Battery error.

2. Light Sensor

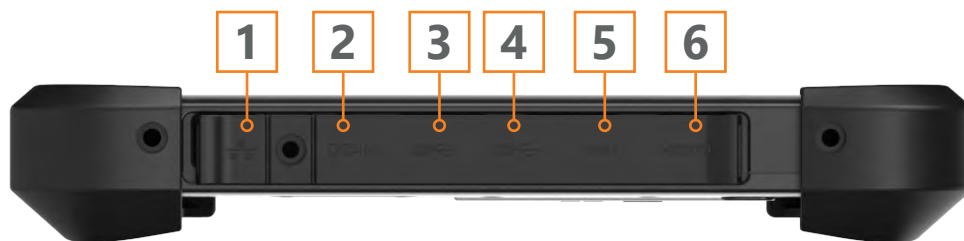
3. Front Camera

4. Internal Microphone

5. Touch Screen



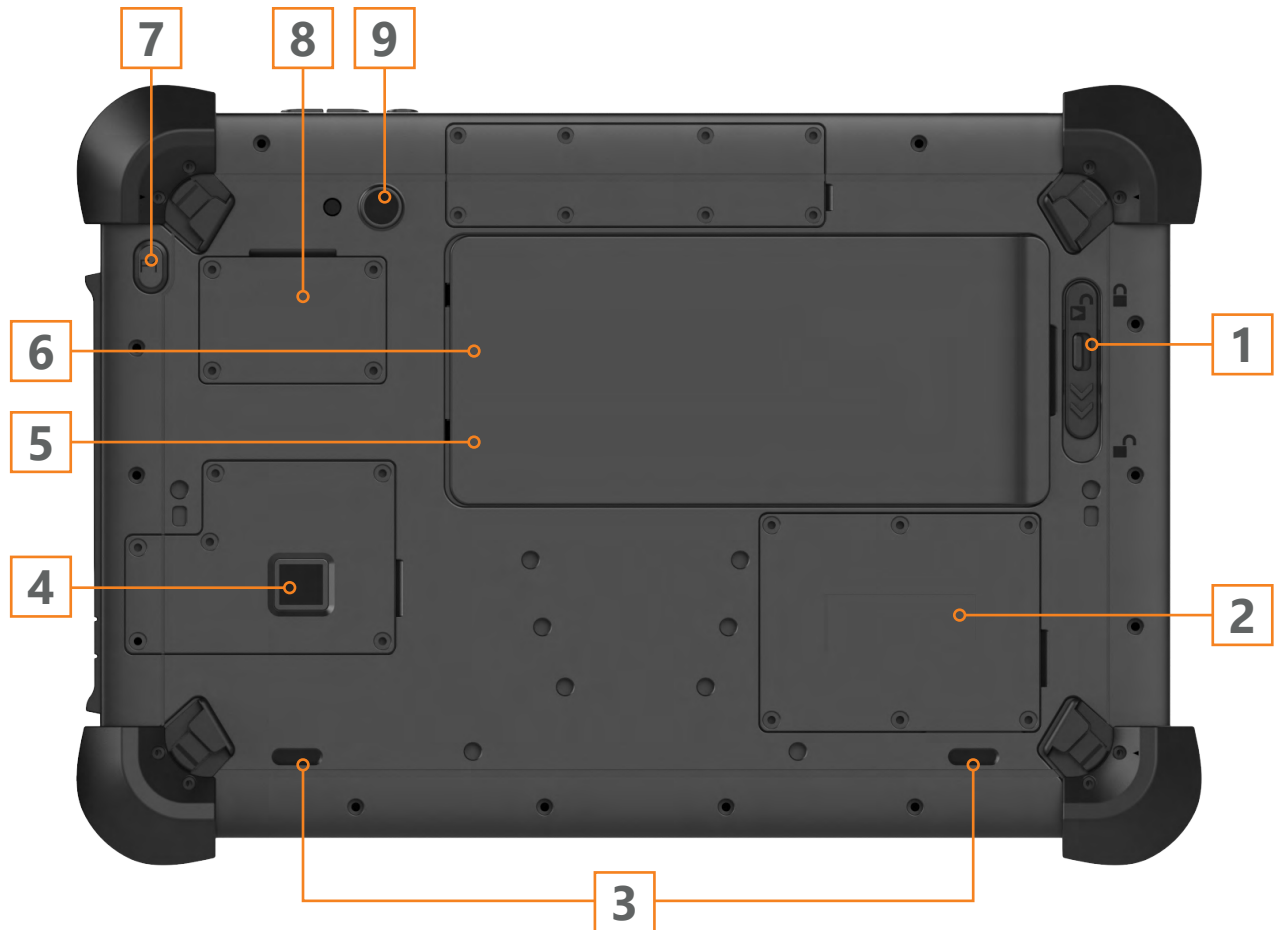
1. Volume
2. Power
3. Barcode Scanner (optional)
4. Headphone Jack



1. RJ-45 Connector
2. USB 3.0 Port
3. Reset Hole
4. DC-in Jack
5. USB 3.0 Port
6. Micro HDMI Port



1. Boss Holes
2. Dock Connector



1. Battery Latch
2. LTE Card Slot (optional)
3. Speaker
4. Finger Print Reader (optional)
5. Battery Status Button
6. Battery Status LED
7. F1 Function - Default Barcode Scanner function. (optional)
8. Backup Battery Slot
9. Rear Camera

Specifications

The specifications listed here is for reference only, and may change without notice.

DIMENSIONS	11.16" W x 7.56" H x .87" D 2.64 lb. (1.2kg) - base config
DISPLAY	10.1" sunlight viewable WUXGA 1920W x 1200H IPS; 550 NITS 10-point multi-touch capacitive screen. Supports stylus, glove and wet-touch mode
CPU	Intel® Core™ i5-8200Y; 1.30-3.9GHz
MEMORY	8GB LPDDR3 - standard 16GB LPDDR3 - optional
STORAGE	256GB M.2 SSD 512GB M.2 SSD
O/S	Windows 10 Professional 64-bit
RUGGEDIZED	MIL-STD 810G (5' drop)
Sealing	IP65 (dust and water)
Screen Protector	Oleophobic, scratch-resistant glass
Operating Temp	14° F to +122° F (-10° C to +50° C)
Storage Temp	-4° F to +140° F (-20° C to +60° C)
Operating Humidity	95% non-condensing
CAMERA	Front - 2MP Rear - 8MP AF with flash
OPTIONAL 3D CAMERA	
Model	Intel® RealSense™ D415 Camera
I/O PORTS	USB Type A 3.0 (2) HDMI Type D (Micro) 3.5mm Aux Power - DC Barrel Jack Standard SIM Card Slot (2FF) MicroSD Slot RJ45 Gigabit Ethernet Port

AUDIO	Intel® HD audio, built-in digital microphone 2 microphone array 2 integrated speakers
SCANNER	Optional: High performance Honeywell N6703 2D barcode scanner
BUTTONS	Barcode scan; Function Power; Volume +/-
SENSORS	9 Axis MEMS Gravity Acceleration E-Compass Gyroscope Ambient light Proximity
BATTERY SYSTEM	3.7V, 10,800mAh, 40Wh up to 10Hr battery life ¹ Hot swappable
WIRELESS/NETWORK	
WLAN	Wi-Fi 802.11a/b/g/n/ac Intel® (AC 9260 M.2 2X2)
Bluetooth	5.0
GPS	Ublox NEO-M8N
4G LTE	Optional Sierra Wireless EM7565 (North America/EMEA)
SECURITY	
TPM	2.0 Firmware
NFC	Optional contactless NFC module for reading/writing NDEF (NFC Data Exchange Format) formatted tags ISO 15693 and 14443 A/B compliant if formatted according to NDEF format
AGENCY APPR	FCC-CE-IC

¹Battery life varies significantly depending on settings, app usage, and other factors

²Only compliant with ISO 15693 and 14443 A/B if tags are formatted according to NDEF formatting standard

Getting Started

Power Supply

This section provides basic safety precautions when using an AC/DC adapter and battery.

AC/DC Adapter

Ensure the xTablet T1180 is connected to an AC power source via the AC adapter before turning it on for the first time. If the xTablet automatically shuts down due to low battery power, it is likely to cause system failure. Below are some Dos and Don'ts for an AC/DC adapter.

► **Dos**

- Use the adapter that shipped with xTablet T1180 only.
- Always be aware of heat coming from the AC/DC adapter while in use.
- Unplug the AC power cord before disassembly the notebook.

► **Don'ts**

- Never cover an adapter that is in use as it can generate heat.
- Never leave the power cord plugged in after powering off the system.

1. Take up the interchangeable plug and look for the groove on the interchangeable plug which can be used for locking on the AC/DC adapter. Then align the groove of the interchangeable plug on the tenon of the AC/DC adapter with correct orientation. Next, rotate the interchangeable plug 90 degrees clockwise until it is fixed on the AC/DC adapter.
2. Plug the DC end of the AC/DC adapter into the DC-in jack of the Tablet PC.
3. Then plug the AC/DC adapter into the power outlet.
4. When remove, please follow the steps 3 2 1.

(NOTE: The interchangeable plug may vary depending on countries or regions.)

Battery

This Tablet is equipped with a built-in high-capacity Lithium-ion Polymer battery pack. The rechargeable Lithium-ion Polymer battery pack is an internal power source.

The battery pack may be damaged if users attempt to disassemble the battery pack. The limited warranty will be voided if the battery pack is disassembled by non-authorized technicians. Please follow your local laws and regulations to recycle the Tablet and the built-in battery pack.

► Conserving Battery Power

Efficient battery power is critical to maintain normal operation. If battery power is not managed well, the saved data and customized settings may be lost.

To optimize battery life and avoid sudden power loss, read the tips below:

- Suspend system operation if the system will be idle for a while or shorten the suspend time period.
- Turn off the system if you won't be using it for a period of time.
- Disable unnecessary settings or remove idle peripherals.
- Connect an AC/DC adapter to the system whenever possible.

► Charging the Battery Pack

The built-in battery pack can be recharged when the Tablet is connected to the AC power. Please pay attention to the following tips before recharging the battery:

- You can use the system, suspend system operation or shut down and turn off the system without interrupting the charging process.
- The built-in battery pack uses Lithium-ion Polymer battery cells that have no "memory effect." It is unnecessary to discharge the battery before recharging. However, to optimize the life of battery, we suggest that consuming the battery power completely once a month is necessary.
- The actual charging time will be determined by the applications in use.

(NOTE: Please do not charge battery in temperature below 0° or above 45°C, it may cause safety issue.)