

RUGGED TABLET

DR15

USER'S GUIDE



Revision History

Revision	Date	Changes	Author
1.0.0	2026/01/XX	Initial Release	Annabelle Wu



Important:

- *Please read the entire User's Guide before using the tablet.*
- *Please pay more attention when you see these notices:*
 - **Warning:** *Failure to follow instruction may cause in personal injury or death.*
 - **Caution:** *Failure to follow instruction may cause damage to tablet or equipment.*
 - **Note:** *It reminds the user of certain instructions.*

The company reserves the right to revise this publication or change its contents without any notice. Information contained herein is for reference only and does not constitute a commitment on the part of the manufacturer or any subsequent vendor. They assume no responsibility or liability for any errors or inaccuracies that may appear in this publication nor are they in any way responsible for any loss or damage resulting from the use (or misuse) of this publication.

Any software described in this manual is sold or licensed "as is". Should the programs prove defective following purchase, the buyer (and not the manufacturer, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any software defects.

Brand and product names mentioned in this publication may or may not be copyrights and/or registered trademarks of their respective companies. They are mentioned for identification purposes only and are not intended as an endorsement of that product or its manufacturer.

Copyright© 2025, MilDef Crete Inc. All rights reserved.

Trademarks

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by MilDef Crete Inc. is under license.

All other brand and product names are trademarks or registered trademarks of their respective companies.

FCC (Federal Communications Commission) regulatory compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC 47 CFR Part 15 Subpart B

FCC 47 CFR Part 15 Subpart C

FCC 47 CFR Part 15 Subpart E

FCC§2.1093 (SAR)

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 can radiate 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 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.

FCC Caution:

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this

equipment. (Example - use only shielded interface cables when connecting to workstation or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.



The device is hereby confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to the Electromagnetic Compatibility Directive (2014/30/EU), Radio Equipment Directive (2014/53/EU), and Low Voltage Directive (2014/35/EU), if used for its intended use and that the following standards have been applied:

1. Safety

Applied Standard(s):

EN 62368-1: 2020+A11:2020

2. Health

Applied Standard(s):

EN 62311: 2020

EN 50332-2: 2013

3. Radio Frequency Spectrum Usage

Applied Standard(s):

EN 300 328 V2.2.2 (2019-07)

EN 301 893 V2.1.1 (2017-05)

EN 303 413 V1.2.1 (2021-04)

4. Electromagnetic Compatibility Directive

Applied Standard(s):

EN 55032: 2015+A11:2020 Class B

EN 61000-3-2: 2019+A1:2021 Class D

EN 61000-3-3: 2013+A1:2019

EN 55035: 2017+A11:2020

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-17 V3.2.4 (2020-09)

ETSI EN 301 489-19 V2.2.0 (2020-09)

5. Union Harmonisation Legislation

Applied Standard(s):

EN 18031-1:2014

IEC 62680-1-2:2024



The device is hereby confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive 2016, Radio Equipment Directive 2017, and UKCA-Electrical Equipment (Safety) Regulation 2016, if used for its intended use and that the following standards have been applied:

1. Safety

Applied Standard(s):

BS EN 62368-1: 2020+A11:2020

2. Health

Applied Standard(s):

BS EN 62311 : 2020

3. Radio Frequency Spectrum Usage

Applied Standard(s):

ETSI EN 300 328 V2.2.2 (2019-07)

ETSI EN 301 893 V2.1.1 (2017-05)

ETSI EN 300 413 V1.2.1 (2021-04)

4. Electromagnetic Compatibility Directive

Applied Standard(s):

BS EN 55032: 2015+A11:2020 Class B

BS EN 61000-3-2: 2019+A1:2021 Class D

BS EN 61000-3-3 (2013+A1:2019)

BS EN 55035: 2017+A11:2020

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-17 V3.2.4 (2020-09)

ETSI EN 301 489-19 V2.2.0 (2020-09)



The device is hereby confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive 2015, Radio Equipment Directive 2017, and RCM(C-tick)-Electrical Equipment (Safety) Regulation 2018, if used for its intended use and that the following standards have been applied:

1. Safety

Applied Standard(s):

AS/NZS 62368-1:2018

2. Health

Applied Standard(s):

AS/NZS 2772.2:2016 A1(SAR)

3. Radio Frequency Spectrum Usage

Applied Standard(s):

AS/NZS 4268:2017 A1:2021

4. Electromagnetic Compatibility Directive

Applied Standard(s):

AS/NZS CISPR 32 2015 / A1 : 2020

Power Safety



Warning:

- To avoid injury, read **Power Safety** and **Battery Precautions** before using the tablet.
- Before any upgrade procedures, make sure to turn off the power and disconnect all cables (including telephone lines). Also, it is recommended that you remove the battery to prevent accidentally turning on the tablet.

There are specific power requirements for your device:

- Only use an approved AC Adapter designed for this tablet.
- There is a 3-prong grounded plug for the AC Adapter. The 3rd prong is an important mechanism for ensuring product safety. Please do not neglect the importance of this mechanism. If you are unable to access a compatible electrical outlet, please hire a qualified electrician for the outlet installation.
- When unplugging the AC power cord, please make sure to disconnect the cord by pulling from the plug head instead of pulling the cable to prevent wire damage.
- Make sure the power outlet and any other extension cord(s) you use can support the total current load of all the connected devices.
- Before cleaning the tablet, please make sure it is disconnected from any external power source.

Battery Precautions

- Only use batteries designed for this tablet. Using incompatible battery types may cause explosion, leakage, or damage to the laptop.
- Do not continuously use a battery that has been dropped, or that appears damaged (e.g., bent or twisted) in any way. Even if the tablet is able to continuously work with a damaged battery, the circuit damage may occur and possibly cause a fire.
- Always use the charger designed for this tablet to recharge the battery. Incorrect recharging may cause the battery to explode.
- Do not attempt to service a battery by yourself. For battery service or replacement, please contact your service representatives.
- Please dispose of the damaged battery promptly and carefully. Explosion or leakage may occur, if the battery is exposed to fire, improperly handled, or discarded.

Note:

- *For safety purpose, charging/discharging will stop if the internal temperature of the battery is out of range (<10°C; >45°C). Please note that charging/discharging could have stopped before the ambient temperature reaching these boundaries because the internal temperature of the battery does not equal to the ambient temperature.*

Water Resistance

The tablet has a standard rating of IP65 under IEC standard 60529 (Spray and water splash from maximum distance of 3 meter up to 3 min) and was tested under controlled laboratory conditions. Although it has excellent protection, please do not use it as a diving equipment. Splash, water, and dust resistance are not permanent conditions when using the product continuously in extreme environments and resistance might decrease as a result of normal wear. Also, please do not disassemble any part of your tablet as it might damage the resistance ability of your tablet.

Note

- *IP65 is tested without I/O caps.*
- *IP65 is not compliant when the I/O ports are attached with external connectors.*

Environmental Information, Material Safety & Recycling

All materials used in the manufacturing of this tablet are recyclable or environmentally friendly. Please recycle the packing materials in accordance with local regulations at the end of the product's service life.

Notice:

- The tablet may contain an insignificant amount of hazardous substances to health and the environment below the control level.
- To avoid releasing such substances into the ecosystem and to minimize the pressure on the natural environment, reuse or recycle most of the materials in a safe way after the product's service life is encouraged.
- For more information on the collection, reuse and recycle of materials, please consult local or regional waste administrations. You can also contact your dealer for more information on the environmental details of the tablet.
- The crossed-out wheeled bin symbol indicates that the product (electrical and electronic equipment) should not be treated as a municipal waste. Please refer to local regulations for the disposal instructions.



Note:

- *This product contains battery. At the end of the product's service life, the tablet and battery should be disposed separately from household waste. The disposal should be in accordance with the local environmental laws and guidelines.*

Chapter One – Specifications

Specifications



Items	Descriptions
Platform	– Intel® Tiger Lake-U Platform
Operation System	– Windows 11
Processor	– Intel® Core™ i7-1185G7E Processor – 12MB Intel® Smart Cache, up to 4.40 GHz – Support vPro®
Graphic	– Intel® Iris® Xe Graphics
Display	– 8.4" (1024 x 768) XGA LCD – Air Bonding Type – Brightness: 700 nits ¹ – Resistive Single-Touch Type with MESH Optional: – Invisible Mode On/Off
Memory	– 16GB DDR4-3200 Optional: – Up to 32GB DDR4-3200
Storage	– 512GB M.2 2280 PCIe 3.0 SSD Optional: – 256GB/1TB M.2 2280 PCIe 3.0 SSD
Audio	– HD Audio and Stereo Speakers
Buttons	– Power Button
Backlight Keypad	– Dual-layer keypad with 4 programmable keys
LED Indicators	– Power/S3 (Green/Breathing Green) – SSD/Heater (Flashing Green/Flashing Orange) – Charge/Battery low (Orange/ Flashing Orange) – RF Devices (Blue)
Security	– TPM2.0 – Password Security (Supervisor Password, User Password) – Kensington Lock Slot
Case	– Magnesium Alloy
Color	– NATO Green
Environmental Specifications	– Operating Temperature: -20°C ² ~ +50°C ³ – Storage Temperature: -40°C ~ +70°C Optional: – Operating Temperature: -30°C ⁴ ~ +50°C ³
Dimensions⁵	– 250 x 190 x 45 mm (with bumpers)
Weight⁵	– Approximately 2.3 kg

¹Varies from display configurations.

²Instant Cold Boot via AC Mode.

³via AC Mode

⁴Cold Boot via LCD Heater.

⁵Varies from configurations and optional accessories.

Power	
Primary Battery⁶	– Standard Battery Pack BDA3A: Li-Ion 10.8V/5300mAh
Input Power	– Fast Charging via Type-C – 60W~100W – Military 3-pin DC-in – 12~32V with BVA & Surge Protector

Wireless & Communications	
LAN	– 10/100/1000 base-T Ethernet – 1 st LAN: Intel® I219LM Optional: – 2 nd LAN (Intel® I210 GLAN Card) ⁷
Wi-Fi/ Bluetooth®	Optional: – Intel® Wi-Fi 6 AX210 (Wi-Fi 4, 5, 6) – Bluetooth® 5.3
GNSS	Optional: – GPS/GLONASS/ Galileo/ Beidou

I/O Interfaces	
Bottom	– Docklite Connector® x 1
Left	– Primary Battery Slot x 1 – 1 st LAN RJ45 x 1 – USB 3.2 Gen. 1 Type-A x 2 – Multibay: – ExpressCard Slot (ExpressCard/54) x 1 (Top) – SD Card Slot x 1 (Bottom)
Right	– USB 3.2 Gen. 1 Type-C x 1 – Serial Port DB9 x 1 (COM1)
Rear	– 2 nd Battery Slot x 1

Accessories	
2nd Battery Pack	– Double Capacity Battery Pack BDRD3A: Li-Ion 10.8V/9100mAh
Battery Charger	– Multi Battery Charger MCDR for Battery: 10.8V/5300mAh Li-Ion BDA3A 10.8V/9100mAh Li-Ion BDRD3A
AC Adapter	– Military 3-pin DC-in – 90W, 100-240VAC, 50/60Hz
Vehicle Power Cord	– Available
External Vehicle Adapter	– EVA 1275
Docklite	– DL10
Stand Unit	– DR15 without rubber jacket can be mounted on Stand Unit

Certifications	
Certifications	– CE/FCC/UKCA/RCM – WEEE – REACH – POPs – RoHS – IP65 – MIL-STD-810H – MIL-STD-461G (Ground Navy) ⁸ – MIL-STD-461G (Ground Army) ⁹

⁶Hot-swappable with dual-battery design.

⁷2nd LAN available via Docklite Connector.

⁸Support COM2 (Default: TTL), COM3 (Default: RS232, BIOS selectable RS422, RS485), USB 2.0, Audio, DC-in, GND, VGA, DVI, Optional 2nd GLAN

⁹Contact your sales representative for more details.