

RUGGED TABLET

DP8

USER'S GUIDE



Revision History

Revision	Date	Changes	Author
1.0.0	2026/0723	Initial Release	Annabelle Wu

Notice



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.

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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

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 3.25 centimeters between the radiator and your body. This transmitter 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.

EU Declaration of Conformity



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)

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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)

RCM

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 purposes, charging will stop if the internal battery temperature is out of range ($<10^{\circ}\text{C}$ or $>45^{\circ}\text{C}$). Discharging will stop if the internal battery temperature is out of range ($<0^{\circ}\text{C}$ or $>60^{\circ}\text{C}$). Please note that charging or discharging may stop before the ambient temperature reaches these limits, as the internal battery temperature is not equal to the ambient temperature.*

Chapter Seven – Specifications

Specifications

Items	Descriptions
Platform	– Intel® Elkhart Lake Platform
Operation System	– Windows11
Processor	– Intel® Atom® x6413E Processor – 1.5M Cache, up to 3GHz
Graphic	– Intel® UHD Graphics
Display	– 8" (1920 x 1200) LCD – Optical Bonding – Capacitive Multi-Touch Screen – Brightness: 1000 nits
Memory	– 16GB DDR4-3200 x 1
Storage	– 128GB M.2 2242 PCIe 3.0 SSD x 1 Optional: – 256GB/512GB/1TB M.2 2242 PCIe 3.0 SSD x 1
Camera	– Rear Camera
Audio	– HD Audio Codec and Amplifier – Mono Speaker – Embedded Digital Mic
Sensor	– Ambient Light Sensor
Function Keys	– 7 Function keys with 2 programmable keys
LED Indicators	– Power: System ON/S3 (Green/Breathing Green) – Battery: Charging/ Low (Orange/Flashing Orange)
Security	– Password Security (Administrator Password, User Password) – TPM2.0
Case	– CNC milled Aluminum and Engineering Plastics
Color	– Black
Environmental Specifications	– Operating Temperature: -20°C ¹ ~ +60°C ² – Storage Temperature: -40°C ~ +70°C
Dimensions³	– 240 x 140 x 37 mm (with bumpers)
Weight³	– Approx. 1250g

Power	
Battery⁴	– Battery Pack BDP82A: – Li-Ion 7.27V/6300mAh
Input Power	– Fast Charging via Type-C – 60W, 100~240VAC, 50/60Hz

Wireless and Communication	
LAN	Optional: – 10/100/1000 base-T Ethernet ⁵
WLAN/ Bluetooth®	– Intel® Wi-Fi 6 AX210 (Wi-Fi 4, 5, 6) – Bluetooth®5.3
GNSS	Optional: – GPS/GLONASS/Galileo/Beidou
Radio Module	Optional: – T24 Module (Receiver) ⁶

I/O Interfaces	
Top	– 4-pin POGO Connector ⁶ x 1
Bottom	Optional: – 16-pin POGO Connector ⁵ x 1
Right	– USB 3.2 Gen. 2 Type-C x 1 – USB 3.2 Gen. 2 Type-A x 1
Rear	– Battery slot x 1 – Micro SD card slot x 1 – Micro SIM card slot ⁸ x 1

¹Instant Cold Boot via AC Mode

²via AC Mode

³Varies from configurations and optional accessories.

⁴Hot-swappable.

⁵LAN available via 16-pin POGO Connector.

⁶Radio Module Slot via 4-pin POGO Connector.

Accessories	
Protection Film	– Available
Battery Charger	– Multi Battery Charger SGC10 (Under Development)
AC Adapter	– Rugged 60W USB-C AC Adapter – 60W, 100V-240V 50/60Hz
Sunshield	– Available
Hand Strap	– Available

Certifications	
Certifications	– CE/FCC/UKCA/RCM – WEEE – REACH – POPs – RoHS – IP65 – MIL-STD-810H (1.5m drop test) – MIL-STD-461G (Ground Navy)⁷

⁷Contact your sales representative for more details.

