



RUGGON · TABLET

RuggON VORTEX 07X Tablet

Industries: Industry · Transport

Operating system Windows 11 IoT Enterprise GAC / LTSC



IP65

IP RATING

810H

MIL-STD

500 nits

BRIGHTNESS

1.67 kg

WEIGHT

CORE SPECIFICATIONS

Display size	7 inch
Resolution	1024 x 600 (WSVGA)
IP rating	IP65
MIL-STD	MIL-STD-810H
Brightness	500 nits
Processor	Intel® Core™ i5-1335UE (Raptor Lake, up to 4.5 GHz), optional Intel® Atom x7211E (up to 3.2 GHz)
Memory and storage	DDR5 SDRAM up to 16 GB · SSD M.2 2242 up to 256 GB
Battery	Internal backup battery for controlled shutdown (no main battery value stated)
Weight	1.67 kg
Operating temperature	Atom x7211E: -30 °C to 60 °C · Core i5-1335UE: -30 °C to 55 °C
Interfaces	USB Type-C × 1 · USB 2.0 × 2 · Micro-SD × 1 · Micro-SIM × 1 · eSIM × 1 · RS-232 with power supply × 2 · RS-232 (RX/TX)/422/485 × 1 · RS-232 (RX/TX)/RS-485 × 2 · Gigabit Ethernet × 4 · HDMI × 1 · DI × 5 · DO × 3 · CAN bus × 2 (split across three connector groups IO-A/IO-B/IO-C per the manufacturer datasheet)
Configurable	Yes, interactive configurator on the product page (4 groups)

Source for display size through interfaces (eleven core rows): RuggON VORTEX 07X manufacturer datasheet (RuggON, 2025). Source for "Configurable": interactive configurator on the product page , based on the manufacturer datasheet (see source per option there).

INTERFACES

– USB Type-C × 1

– USB 2.0 × 2



REQUEST QUOTATION

Scan the QR code or call – configuration, quantities, and delivery time on request.

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- Micro-SD × 1
- eSIM × 1
- RS-232 (RX/TX)/422/485 × 1
- Gigabit Ethernet × 4
- DI × 5
- CAN bus × 2 (split across three connector groups IO-A/IO-B/IO-C per the manufacturer datasheet)
- Micro-SIM × 1
- RS-232 with power supply × 2
- RS-232 (RX/TX)/RS-485 × 2
- HDMI × 1
- DO × 3

CERTIFICATIONS AND RUGGEDNESS

MIL-STD-810H

Shock, vibration, temperature, altitude

IP65

FEATURES AND OPTIONS

Operating system	Windows 11 IoT Enterprise GAC / LTSC
Sensors	integrated 6-axis IMU (accelerometer + gyroscope), 2 speakers, dynamic light sensor
Optional connectivity	GNSS (GPS/Galileo/GLONASS/BeiDou/QZSS) with dead reckoning or RTK, 4G LTE/HSPA+/5G, satellite, NFC
Power supply	9–60 VDC input, vehicle power protection (ISO 7637-2), ignition detection with adjustable on/off delay
IO group certification (according to the manufacturer description)	IO-A and IO-C IEC 60529 IP65, IO-B IEC 60529 IP65 (except lower I/O side)

CONFIGURATION OPTIONS

PROCESSOR

Standard: Intel® Core™ i5-1335UE, up to 4.56GHz [\[DB\]](#)

Optional Intel® Atom® x7211E, up to 3.20GHz [\[DB\]](#)

WIRELESS AND POSITIONING

Standard: Wi-Fi 7 (IEEE 802.11be), Bluetooth V5.4 [\[DB\]](#)

Optional GNSS (GPS/Galileo/GLONASS/BeiDou/QZSS), dead-reckoning, or RTK supported [\[DB\]](#)

Optional 4G LTE/HSPA+/5G [\[DB\]](#)

Optional Satellite [\[DB\]](#)

READERS AND SECURITY

NFC by request [\[DB\]](#)

INTERFACES AND MODULES

IO module A (secure type connector): RS-232, Gigabit Ethernet, USB Type C, 2x USB 2.0, Micro SD, Micro SIM/eSIM [\[DB\]](#)

IO module B (generic type connector): RS-232/422/485, Gigabit Ethernet, HDMI, 2x DI, 2x DO, CAN bus, USB Type C, 2x USB 2.0, Micro SD, Micro SIM/eSIM, optional Dual CAN FD/SAE J1939, 2x video input [\[DB\]](#)

IO module C (M12 type connector): 2x RS-232/RS-485, 2x Gigabit Ethernet, 3x DI, 1x DO, CAN bus, USB Type C, 2x USB 2.0, Micro SD, Micro SIM/eSIM, optional Dual CAN FD/SAE J1939 [\[DB\]](#)

db RuggON VORTEX 07X SpecsSheet (Copyright 2025, no day date), /datasheets/EN/1764554274545104112-en_VORTEX_07X___specsSheet_V26.pdf – Source is in English (RuggON does not provide a German version).

MANUFACTURER DATASHEET

RuggON, 2025 – no day date, no version code in the document · binding source

[1764554274545104112-en_VORTEX_07X___specsSheet_V26.pdf](#)

This overview was compiled from the documented information and is not a manufacturer datasheet. The manufacturer's specifications are binding. Subject to change, errors reserved, technical developments subject to change. As at: 8 August 2026.



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