RUGGON · TABLET

RuggON PX501 G5 Tablet

Industries: Logistics · Industry

Operating system and software operating system optional Windows 11 GAC; software DashON



IP65
IP RATING

810H
MIL-STD

1000 nits
BRIGHTNESS

1.36 kg (3 lbs); varies with configuration and accessories
WEIGHT

CORE SPECIFICATIONS

Display size	10.1 inch
Resolution	WUXGA (1920 x 1200)
IP rating	IP65
MIL-STD	MIL-STD-810H, MIL-STD-461G
Brightness	1000 nits
Processor	Intel® Core™ i5-1335UE, Intel® Core™ i7-1365UE or Intel® Processor U300E
Memory and storage	8 GB DDR5 SDRAM (optional 16 or 32 GB) · 128 GB PCIe M.2 SSD (optional 256 GB, 512 GB or 1 TB)
Battery	Hot-swappable battery 4500 mAh (10.8 V, 48.6 Wh); optional 9000 mAh (10.8 V, 97.2 Wh); fast charging; 65 W AC adapter
Weight	1.36 kg (3 lbs); varies with configuration and accessories
Operating temperature	–20 °C to +60 °C (storage: –30 °C to +70 °C)
Interfaces	1× USB 3.1 Type-A · 1× Thunderbolt™ 4 Type-C · 1× RS-232 · 1× Gigabit Ethernet (RJ45) · 1× audio headset jack · 2× Nano SIM slot · 1× docking connector (12-pin) · 1× DC-in **Optional:** USB 2.0 or Micro SD slot · 2× RF pass-through (WLAN/GNSS/WWAN)
Configurable	Yes, interactive configurator on the product page (11 groups)

Source for all core rows except "Configurable": RuggON PX501 manufacturer datasheet (RuggON, English; note footnotes I to III of the PDF). Source for "Configurable": interactive configurator on the product page , based on the manufacturer datasheet (see source per option there).

INTERFACES

- 1× USB 3.1 Type-A
- 1× Thunderbolt™ 4 Type-C

- 1× RS-232
- 1× audio headset jack
- 1× docking connector (12-pin)
- 1× Gigabit Ethernet (RJ45)
- 2× Nano SIM slot
- 1× DC-in

Optional: USB 2.0 or Micro SD slot · 2× RF pass-through (WLAN/GNSS/WWAN)

CERTIFICATIONS AND RUGGEDNESS

MIL-STD-810H
Shock, vibration, temperature, altitude

MIL-STD-461G
Electromagnetic compatibility

IP65

FEATURES AND OPTIONS

Operating system and software	operating system optional Windows 11 GAC; software DashON
Touchscreen	capacitive multi-touch with Gorilla Glass, glove operation, water and palm rejection, 2 mm hard-tip stylus; optional digitizer with IP54 pen
Connectivity	Wi-Fi 6E (802.11ax), Bluetooth V5.3, GNSS (GPS/GLONASS/BeiDou); optional 4G LTE/5G (sub 6G) and Iridium LEO satellite
Security	TPM 2.0
Expansion options	2D barcode reader (OCR optional), NFC and smart card reader module, fingerprint reader, MRZ reader, snap-on connector
Dimensions	28 × 19.5 × 2.3 cm (W × H × D); cameras: 2 MP front, 8 MP rear with autofocus and LED flash

CONFIGURATION OPTIONS

PROCESSOR

Intel® Core™ i5-1335UE [DB]

Intel® Core™ i7-1365UE [DB]

Intel® Processor U300E [DB]

MEMORY

Standard: 8 GB DDR5 SDRAM [DB]

16 GB DDR5 SDRAM [DB]

32 GB DDR5 SDRAM [DB]

STORAGE

Standard: 128 GB PCIe M.2 SSD [DB]

256 GB PCIe M.2 SSD [DB]

512 GB PCIe M.2 SSD [DB]

1 TB PCIe M.2 SSD [DB]

DISPLAY

Standard: 10.1 inch WUXGA (1920 x 1200), Gorilla Glass, capacitive multi-touch [DB]

With digitizer and IP54 pen (optional) [DB]

CELLULAR AND SATELLITE (OPTIONAL)

4G LTE/5G (sub 6G) [DB]

Iridium LEO satellite (module dependency not stated in the datasheet) [DB]

BATTERY

Standard: 4500 mAh hot-swappable battery (10.8 V, 48.6 Wh) [DB]

9000 mAh hot-swappable battery (10.8 V, 97.2 Wh), optional [DB]

POWER ADAPTER

Standard: 65 W AC adapter (100–240 V AC, 50/60 Hz) [DB]

65 W Type-C adapter (optional) [DB]

READERS AND EXPANSION

Built-in 2D barcode reader (OCR optional) [DB]

NFC and smart card reader module [DB]

Fingerprint reader [DB]

MRZ reader [DB]

INTERFACES AND MODULES

USB 2.0 (option) [DB]

Micro SD slot (option) [DB]

RF pass-through for WLAN/GNSS/WWAN, 2x [DB]

OPERATING SYSTEM

Windows 11 GAC (optional according to the datasheet) [DB]

ACCESSORIES

Detachable keyboard [DB]

Vehicle dock [DB]

Desktop dock [DB]

Hard handle [DB]

Shoulder strap [DB]

VESA bracket [DB]

Hand strap [DB]

Handle [DB]

4-bay battery charger [DB]

db RuggON PX501 Specsheet (file PX501G5_specsheet_V25), PDF document date 24 November 2025, /datasheets/EN/1764039209920047744-en_PX501G5_specsheet_V25_RuggON.pdf — Source is in English (only an English version is available).

MANUFACTURER DATASHEET
RuggON, document date 24 November 2025 according to the PDF metadata · binding source

1764039209920047744-en_PX501G5_specsheet_V25_RuggON.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: 20 October 2026.