



PX501 sat GEN V

Satellite Connected Edition



IP65



MIL-STD-810H



MIL-STD-461G



1000 nits

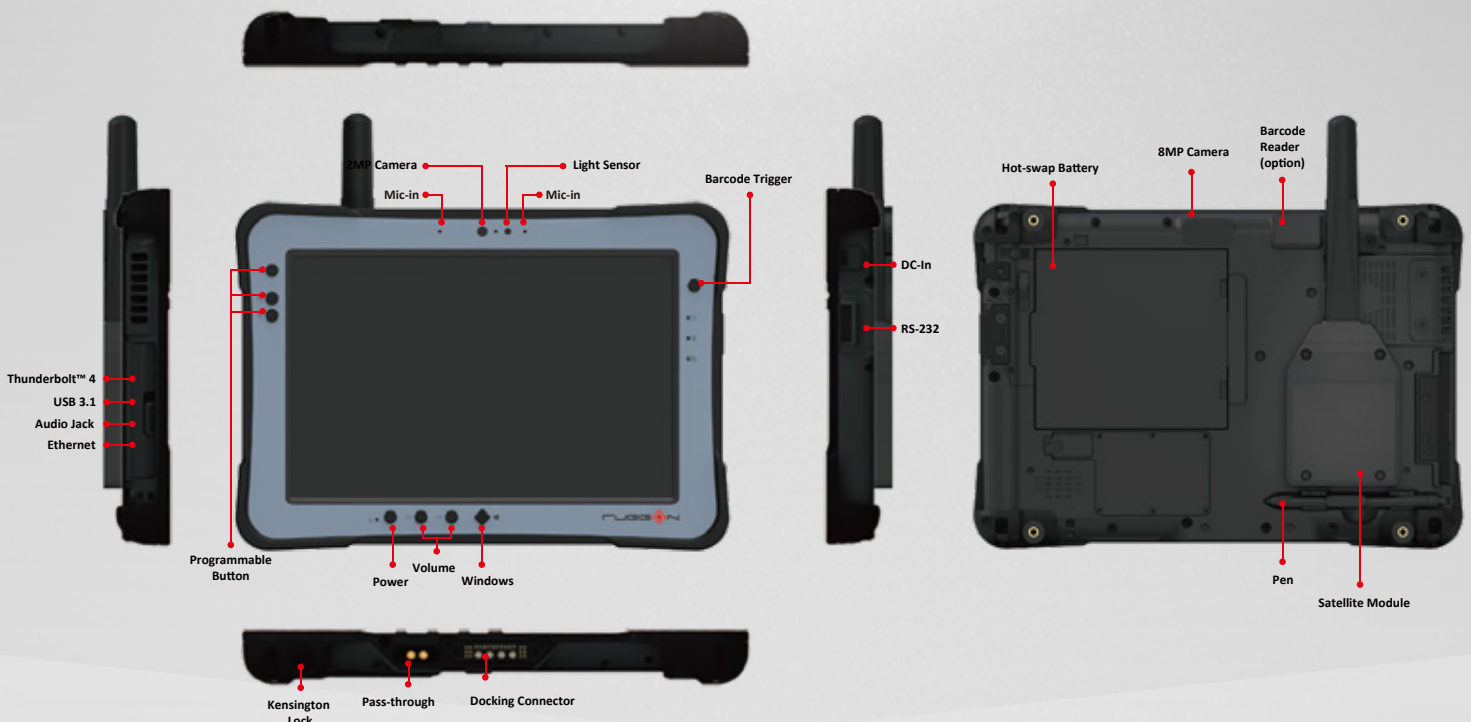


5-foot Drop



Satellite

- ◆ Two-way messaging anywhere in the world
- ◆ 24/7 emergency SOS in all conditions
- ◆ Reliable Global Coverage - Our solutions tap into a network of 66 Low-Earth Orbit (LEO) satellites + 9 spare satellites for reliable full global coverage
- ◆ Low Latency - With LEO satellites orbiting at around 800 km, signal travel time is 1/40th that of geostationary satellites (36,000 km), making them perfect for IoT deployments.
- ◆ 13th generation Intel® Core™ i5 processor
- ◆ WiFi 6E & 5G supported



Specifications

System

- ◆ Intel® Core™ i5-1335UE
Intel® Core™ i7 1365UE
Intel® Processor U300E
- ◆ 8GB DDR5 SDRAM , Optional : 16/32GB DDR5 SDRAM
- ◆ 128GB PCIE M.2 SSD, Optional : 256GB/512GB/1TB PCIE M.2 SSD
- ◆ OS optional : Windows 11 GAC

Display

- ◆ 10.1" TFT LCD WUXGA (1920 x 1200), Gorilla Glass
- ◆ 1000 nits sunlight readable with hyper dimming option
- ◆ Capacitive multi-touch screen supports glove touch, water rejection, palm rejection, 2mm hard tip stylus
- ◆ Optional digitizer with IP54 pen

Communication

- ◆ Wi-Fi 6E , 802.11 ax
- ◆ Bluetooth V5.3
- ◆ GNSS (GPS/ GLONASS/ BeiDou)
- ◆ Optional : 4G LTE/5G (sub 6G)
- ◆ Optional : Satellite Communication (SBD , SOS)^{IV}

Camera

- ◆ 2MP front camera
- ◆ 8MP auto focus rear camera with LED flash

Control Button

- ◆ Programmable button x 3
- ◆ Barcode trigger x 1
- ◆ Power, volume, Windows button

Expansion Option

- ◆ Built-in 2D barcode reader (OCR option)
- ◆ NFC + Smart card reader module
- ◆ Fingerprint reader, MRZ reader
- ◆ Snap-on connector easy for customization

I/O Interface

- ◆ USB 3.1 type A x1, Thunderbolt™ 4 Type-C x 1
- ◆ RS-232 x 1, option USB 2.0 or Micro SD slot
- ◆ Gigabit Ethernet (RJ45) x 1
- ◆ Audio headset jack (Headphone/ microphone combo) x 1
- ◆ Nano SIM slot x 2
- ◆ Optional RF pass-through connector for WLAN/ GNSS/ WWAN x 2
- ◆ Docking connector (12-pin) x 1
- ◆ DC-in x 1

Security

- ◆ TPM2.0

Power

- ◆ AC adapter (65W, 100-240V AC, 50/60Hz)^I
- ◆ 4500mAh hot swappable battery, (10.8V, 48.6Wh)^{II}
- ◆ Optional 9000mAh hot swappable battery, (10.8V, 97.2Wh)^{II}
- ◆ Fast charging supported

Rugged Feature

- ◆ IP65, MIL-STD-810H and MIL-STD-461G certified
- ◆ Vibration, shock and 5-foot drop resistance

Environmental

- ◆ Operating temperature : -20° C to +60° C
- ◆ Storage temperature : -30° C to +70° C
- ◆ Humidity : 95%, non-condensing

Dimensions & Weight

- ◆ 28 x 19.5 x 2.3 cm (11" x 7.7" x 0.9") (W x H x D)
- ◆ 1.36kg (3 lbs) ^{III}

Software

- ◆ DashON

Accessories



Detachable Keyboard



Vehicle Dock



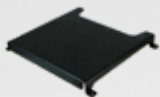
Desktop Dock



Hard Handle



Shoulder Strap



VESA Bracket



Hand Strap



Handle



4-bay Battery Charger



IP54 Digitizer Pen

- I. The default is for 65W AC adapter, 65W Type-C adapter can be optional.
- II. Battery life rating is for comparison purposes only. Actual battery life varies by configuration, application, power management and operating conditions.
- III. Actual weight varies by configurations and optional accessories.
- IV. To access the Iridium network and communicate with the PX501, an active satellite subscription is required. Please contact www.ruggon.com



www.ruggon.com e-mail:info@ruggon.com

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