



Selection Guide

Rugged Tablets



PX501



SOL PA501

 <p>System</p>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Qualcomm® Snapdragon™ 660 Octa-Core, 1.9GHz up to 2.2GHz • 3GB LPDDR4 RAM + 32GB eMMC storage (US carrier SKU) • 4GB LPDDR4 RAM + 64GB eMMC storage (Global SKU) • OS : Android 12, Google Mobile Services certified
 <p>Display</p>	<ul style="list-style-type: none"> • 10.1" TFT LCD WUXGA (1920 x 1200), Gorilla Glass • 1000 nits brightness with hyper dimming option • Capacitive multi-touch screen supports glove touch, 2mm hard tip stylus • Optional digitizer with IP54 pen 	<ul style="list-style-type: none"> • 10.1" TFT LCD WUXGA (1920 x 1200) • 1000 nits brightness supports night mode and stealth mode • Capacitive 10-point multi-touch supports glove touch, 2mm hard tip stylus
 <p>Durability</p>	<ul style="list-style-type: none"> • IP65, MIL-STD-810H and MIL-STD-461G certified • Vibration, shock and 5-foot drop resistance • Operating temperature : -20° C to +60° C 	<ul style="list-style-type: none"> • IP65, MIL-STD-810G & MIL-STD-461G certified • Vibration & shock & 5' drop resistance • Operating temperature : -20° C to +60° C
 <p>Communications</p>	<ul style="list-style-type: none"> • Wi-Fi 6E (802.11 ax) • Bluetooth V5.3 • GNSS (GPS/ GLONASS/ BeiDou) • Optional 4G LTE/ 5G (Sub-6G), Iridium LEO satellite 	<ul style="list-style-type: none"> • Optional built-in NFC • Wi-Fi 5 (802.11 ac) • GNSS (GPS/ GLONASS/ BeiDou) • Bluetooth V5.0 • 4G LTE certified with Verizon, AT&T and FirstNet™ through optional Sierra Wireless EM7511
 <p>Camera</p>	<ul style="list-style-type: none"> • 2MP front camera • 8MP auto focus rear camera with LED flash 	<ul style="list-style-type: none"> • 8MP fixed focus front camera • 13MP auto focus rear camera with LED flash
 <p>Expansion Option</p>	<ul style="list-style-type: none"> • Built-in 2D barcode reader (OCR option) • NFC + Smart card reader module • Fingerprint reader, MRZ reader • Snap-on connector easy for customization 	<ul style="list-style-type: none"> • Built-in 2D barcode reader (OCR supported) • Fingerprint reader • Snap-on connector easy for customization
 <p>I/O Interfaces</p>	<ul style="list-style-type: none"> • 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 x 1 • Nano SIM slot x 2 • Optional RF pass-through connector x 2 • Docking connector x 1, DC-in x 1 	<ul style="list-style-type: none"> • USB 3.1 type C x 1 (DP supported) , USB 2.0 type A x 2 • RS-232 x 1 (available for option USB 2.0) • Gigabit Ethernet (RJ45) x 1, Audio headset jack x 1 • Micro SD slot x 1 (SDXC/ SDHC supported) • Micro SIM slot x 2 • Optional RF pass-through connector x2 • Docking connector x 1, DC-in x 1
 <p>Security</p>	<ul style="list-style-type: none"> • TPM 2.0 	<ul style="list-style-type: none"> • ARM® TrustZone®
 <p>Battery</p>	<ul style="list-style-type: none"> • 4500mAh hot swappable battery • Optional 9000mAh hot swappable battery • Fast charging supported 	<ul style="list-style-type: none"> • 4500mAh hot swappable battery • Optional 9000mAh hot swappable battery • Supports fast charging
 <p>Dimensions & Weight</p>	<ul style="list-style-type: none"> • 280 x 195 x 23 mm (11" x 7.7" x 0.9") (W x H x D) • 1.36 kg (3 lbs) 	<ul style="list-style-type: none"> • 280 x 195 x 23 mm (11" x 7.7" x 0.9") (W x H x D) • 1.4 kg (3.09 lbs)
















Rugged Tablets & Monitor



LUNA 3



CHASER

 <p>System</p>	<ul style="list-style-type: none"> • Intel® Tiger Lake Celeron 6305E / i5-1145G7E • 8GB LPDDR4x RAM • 64 to 512GB M.2 2242 SSD storage • Windows 11 IoT Enterprise 	 <p>Display</p>	<ul style="list-style-type: none"> • 11.6" TFT LCD Full HD (1920 x 1080) • 1000 nits high brightness • Contrast Ratio: 1000:1 • Viewing Angle: 85°/85°/85°/85° • Capacitive multi touch (PCT) with AR/ AF coating
 <p>Display</p>	<ul style="list-style-type: none"> • 8" TFT LCD (1280 x 800) • 1000 nits brightness supports night mode and stealth mode • Capacitive 10-point multi-touch supports glove touch, 2mm hard tip stylus • Optional digitizer 	 <p>Durability</p>	<ul style="list-style-type: none"> • Waterproof (front panel) and MIL-STD-810H certified • Vibration and shock resistance • Operating temperature : -20° C to +60° C
 <p>Durability</p>	<ul style="list-style-type: none"> • IP65, MIL-STD-810H and MIL-STD-461G certified • 4-feet drop resistance • Operating temperature : -20° C to +50° C 	 <p>Function Button</p>	<ul style="list-style-type: none"> • Black out x 1, mute x 1, volume x 2, brightness x 2, video input select x 1
 <p>Communications</p>	<ul style="list-style-type: none"> • Wi-Fi 6 E (802.11 ax) and Bluetooth V5.2 • Optional 4G LTE & GNSS 	 <p>I/O Interfaces</p>	<ul style="list-style-type: none"> • USB 2.0 type C x 1 (DP supported), USB 2.0 type A x 5, USB 2.0 type B x 1 • HDMI 1.4 x 1 • 3W stereo speakers with amplifier x 2 • Dc-in x 1
 <p>Camera</p>	<ul style="list-style-type: none"> • 2MP fixed focus front camera • 8MP auto focus rear camera with LED flash 	 <p>Dimensions & Weight</p>	<ul style="list-style-type: none"> • 296 x 216 x 43 mm (11.8"x 8.6"x 1.7") (W x H x D) • 1.8 kg (4 lbs)
 <p>Expansion Option</p>	<ul style="list-style-type: none"> • Snap-on connector easy for customization x 2 • Snap-on I : RJ45 + USB-A 2.0 / RJ45 + RS232 / NFC • Snap-on II : Bridge battery • (This is required for hot-swappable function) 		
 <p>I/O Interfaces</p>	<ul style="list-style-type: none"> • USB 3.1 type C x 2 • Micro SIM slot x 2 		
 <p>Security</p>	<ul style="list-style-type: none"> • Intel® TPM technology 		
 <p>Battery</p>	<ul style="list-style-type: none"> • Typical capacity of 2400mAh, min. 2100mAh • Optional typical capacity of 4800mAh, min. 4200mAh 		
 <p>Dimensions & Weight</p>	<ul style="list-style-type: none"> • 225 x 158 x 22 mm (8.9" x 6.2" x 0.9") (W x H x D) • 0.85kg (1.87 lbs) 		

Vehicle Mount Computers



VULCAN X



VX-601



System

- Intel® Core™ i5-8365UE 1.6GHz
optional Intel® Celeron® 4305UE 2.0GHz
- 4GB DDR4 SODIMM, expandable up to 32GB
- M.2 2280 SSD
- Built-in 6-axis motion sensor, dual speaker
- OS option : Windows 10 IoT Enterprise

- Intel® Core™ i5-6300U 2.4GHz
optional Intel® Celeron® 3955U 2GHz
- 4GB DDR3L SODIMM, expandable up to 16GB
- M.2 2280 SSD
- Built-in 3-axis G-sensor, dual speaker
- OS option : Windows 10 IoT Enterprise



Display

- 10.4" TFT LCD XGA (1024 x 768)
- 1200 nits brightness supports auto-dimming
- 5-wire resistive touch supports defrost / defog function
- PCT by request

- 12.1" TFT LCD XGA (1024 x 768)
- 700 / 1200 nits brightness support auto-dimming
- 5-wire resistive touch supports defroster function
- PCT by request



Durability

- IEC 60529 IP66
- IEC 60721-3-5 class 5M3
- MIL-STD-810H (vibration, shock, optional salt fog)
- Operating temperature : -30°C to +55°C

- IEC 60529 IP66
- IEC 60721-3-5 class 5M3
- MIL-STD-810G (vibration, shock, salt fog)
- Operating temperature : -30°C to 55°C



Communications

- Wi-Fi 802.11 a/b/g/n/ac/v/r/k
- Bluetooth V5.0
- Optional 4G LTE / HSPA+ / GPRS or 5G
- Optional GNSS (GPS / Galileo / GLONASS / BeiDou / QZSS)

- Wi-Fi 802.11 a/b/g/n/ac
- Bluetooth V4.0 Class 2
- Optional 4G LTE / HSPA+ / GPRS
- Optional GNSS (GPS / QZSS or GLONASS)



Function Button

- Programmable button x 7, brightness adjustment x 2
volume adjustment x 2, display on/off x 1
- Optional defrost / defog button x 1

- Programmable button x 9, brightness adjustment x 2
volume adjustment x 2, display on/off x 1
- Optional defrost / defog button x 1



I/O Interfaces

- RS-232 with power supported x 1, RS-232(TX,RX)/422/485 x 1,
RS-232(TX,RX) x 2, RS-485 x 2
- Gigabit Ethernet x 2
- USB 3.1 x 1, USB 2.0 x 2, USB 3.1 type C x 1 (DP Alt mode supported)
- Micro SD slot x 1, Micro SIM slot x 2
- Optional CAN bus 2.0B x 2 or SAE J1939 x 1
- DI x 2, DO x 2
- Mic in x 2, Line out (L/R) x 1
- Optional video input
- DC-in x 1

- RS-232 with power supported x 1, RS-232/422/485 x 1
- Gigabit Ethernet (RJ45) x 1
- USB 3.0 / 2.0 x 1, USB 2.0 x 1
- SD slot x 1
- CAN bus (SAE J1939 support) x 1
- DI x 2, DO x 2
- Audio headset jack x 1
- Optional video input x 4
- DC-in x 1



Power

- 9~60 VDC input
- Internal backup battery for graceful shutdown

- 9~60 VDC input
- UPS backup battery



Dimensions & Weight

- 278 x 234 x 57 mm (11" x 9.2" x 2.3") (W x H x D)
- 3.2 kg (7.04 lbs)

- 325 x 280 x 69 mm (13"x 11.2"x 2.8") (W x H x D)
- 4.9 kg (10.8 lbs with IPBOX)









Mobile Data Terminals



VIKING











MT7000

 <p>System</p>	<ul style="list-style-type: none"> • Qualcomm® Snapdragon™ 660 Octa-Core, 1.9GHz • 4GB LPDDR4 SDRAM • 64GB eMMC storage • Built-in 3-axis G-sensor, dual speaker • OS : Android 12, Google Mobile Services (GMS) certified 	<ul style="list-style-type: none"> • Intel® Atom™ E3826 1.46GHz • 2GB DDR3L SODIMM • mSATA SSD • Built-in 3-axis G-sensor, dual speaker • OS option : Windows 10 IoT Enterprise
 <p>Display</p>	<ul style="list-style-type: none"> • 7" TFT LCD WSVGA (1024 x 600) • 500 nits brightness • Capacitive multi touch (PCT) • Support auto-dimming 	<ul style="list-style-type: none"> • 7" TFT LCD WSVGA (1024 x 600) • 500 nits brightness support auto-dimming • Capacitive multi touch (PCT)
 <p>Durability</p>	<ul style="list-style-type: none"> • IEC 60529 IP65 (except bottom side I/O) • MIL-STD-810H (vibration, shock) • Operating temperature : -20°C to +60°C 	<ul style="list-style-type: none"> • IEC 60529 IP65 (except bottom side I/O) • MIL-STD-810G (vibration, shock) • Operating temperature -30°C to +60°C
 <p>Communications</p>	<ul style="list-style-type: none"> • GNSS (GPS / GLONASS / BeiDou/ Galileo) • WiFi 802.11 a/b/g/n/ac • Bluetooth V5.0 • 4G LTE / WCDMA / GSM • NFC 	<ul style="list-style-type: none"> • GNSS (GPS / QZSS or GLONASS or BeiDou) , Dead Reckoning support • Optional Wi-Fi 802.11 a/b/g/n/ac • Optional Bluetooth V4.0 Class2 • Optional 4G LTE / HSPA+ / GPRS • NFC / RFID by request
 <p>Function Button</p>	<ul style="list-style-type: none"> • Programmable button x 5 • Volume adjustment x 2 • Display on/off x 1 	<ul style="list-style-type: none"> • Programmable button x 5 • Volume adjustment x 2 • Display on/off x 1
 <p>I/O Interfaces</p>	<ul style="list-style-type: none"> • RS-232 with power supported x 1, RS-232 (TX/RX) x1, RS-422 x1 , RS-485 x1 • Gigabit Ethernet (RJ45) x 1 • USB 3.1 type C x 1 (DP Alt Mode support), USB 2.0 type A x 2 • Micro SD slot x 1, Micro SIM slot x 2 • CAN bus, or CAN bus module (supports SAE J1939) • DI x 2, DO x 2 • Audio headset jack x 1 • DC-in x 1 	<ul style="list-style-type: none"> • RS-232 with power supported x 1, RS-232/422/485 x 1 • Gigabit Ethernet (RJ45) x 1 • USB 3.0 x 1, USB 2.0 x 1 • Micro SD slot x 1, Micro SIM slot x 2 • CAN bus (SAE J1939 supported) x 1 • DI x 2, DO x 2 • Audio headset jack x 1 • DC-in x 1
 <p>Power</p>	<ul style="list-style-type: none"> • 9~36 VDC input • Vehicle power protection (ISO7637-2) • UPS backup battery 	<ul style="list-style-type: none"> • 9~36 VDC input • Vehicle power protection (ISO7637-2) • UPS backup battery
 <p>Dimensions & Weight</p>	<ul style="list-style-type: none"> • 220 x 152 x 41 mm (8.8"x 6.1"x 1.6") (W x H x D) • 1.25 kg (2.75 lbs) 	<ul style="list-style-type: none"> • 220 x 152 x 41 mm (8.8"x 6.1"x 1.6") (W x H x D) • 1.25 kg (2.75 lbs)

Military Panel PC



XR 10

 <p>System</p>	<ul style="list-style-type: none"> • Intel® Core™ i7-6822EQ Quad core processor 2.0GHz (Turbo Boost up to 2.8GHz) • 8GB DDR4 XRDIMM, up to 16GB • M.2 2242 SATA MLC SSD x 2
 <p>Display</p>	<ul style="list-style-type: none"> • 10.4" TFT LCD XGA (1024 X 768) 1000 nits (typical) • 10 Point Multi touch, AMR resistive
 <p>Durability</p>	<ul style="list-style-type: none"> • IEC 60529 IP67 • MIL-STD-810G (vibration, shock, altitude, salt fog) • Operating temperature : -40° C to +71° C
 <p>Expansion Option</p>	<ul style="list-style-type: none"> • MXM 3.0 Type A (optional)
 <p>I/O Interfaces</p>	<ul style="list-style-type: none"> • USB 2.0 x 6, RS-232 X 4, Isolation RS-422/485 X 4 • Gigabit Ethernet X 4 • GPI X 8 • GPO X 8 • VGA x 1, DVI-D X 1 • Audio Line-in X 1, Line-out X 1, Mic-in X 1 • CAN bus X 2 • Optional Video-in, CVBS video-in, HD-SDI video-in • Mini-PCle slot X 1, M.2 X 1 (2280, Key.B)
 <p>EMC</p>	<ul style="list-style-type: none"> • MIL-STD-461G, Method CE102, CS101, CS114, CS115, CS116, CS118, RE102, RS103
 <p>Power</p>	<ul style="list-style-type: none"> • 28 VDC Nominal input • Ignition sense with time delay setting • Compliance with MIL-STD-1275E
 <p>Dimensions & Weight</p>	<ul style="list-style-type: none"> • 329 x 299.30 x 84.93mm (w/SSD Box) • 329 x 278 x 84.93mm (w/o SSD Box) • 6.3KG (13.89 lbs)



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