

CENAVA

Ultra-Rugged, More Secure Handheld Terminals



UN38.3



Independent R&D and production Industrial Rugged Computer Supplier



Industrial explosion-proof
Rugged phone terminal

Three-proofing rugged
tablet terminal

Industrial rugged laptop PC

Industrial three-proofing
and explosion-proof terminal

Domestic military grade
customization area

Touch screen commercial
display advertising terminal

shenzhen chenxiang Intelligent Technology co., Ltd.

Company Profile

Shenzhen Chenxiang Intelligent Technology Co., Ltd.

Chenxiang Intelligent was founded in 2003 and is headquartered in Shenzhen, China, a global 3C source industry belt. Has been focusing on high-quality industrial computer production and research and development, product form of Rugged Tablet Terminal, Industrial Handheld Scanning Terminal, Industrial Touch All-in-one Computer, Products are controlled from 0 to 1.

The core members of Chenxiang Intelligence are all from the industrial industry elite talent, in the structure design of the equipment drop resistance, impact resistance, waterproof, dustproof, explosion-proof, harsh environment reliability and other aspects of a wealth of experience, so we can provide customers with one-stop solution from the appearance of the design, mold development and manufacturing, hardware and software development, product production, and so on. Our products are strictly in accordance with the industry's high quality and high standards of manufacturing, successfully passed the 3C, CE, FCC, FCC-ID, ICID, RoHS, explosion-proof and other related certificates, the protection degree of up to IP65 - IP68, in accordance with the U.S. military standard MIL-STD-883C standard, shock and impact resistance. Multi-module optional 3G/4G/5G/dual-frequency WiFi/Bluetooth/Beidou/GPS/GLONASS/RTK high-precision positioning, 1D/2D code, ID card, fingerprints, HF/UHF, etc., widely used in, industrial control, energy, healthcare, precision instrumentation, aerospace, automotive electronics, consumer electronics, finance, electric power measurement and control, animal husbandry, security monitoring, government, enterprise, military, service and other fields.

In the future, Chenxiang Intelligence will, as always, adhere to the "Make the industry one centimeter narrower and the product one kilometer deeper" vertical product direction.

Through years of unremitting efforts and gradual innovation, Chenxiang has been awarded the title of national and provincial scientific and technological innovation high technology enterprise several times, and owns more than 60 intellectual property patents. Product sales and services in nearly 100 countries and regions around the world, cumulative global customer service more than 700 enterprises to provide hardware. We provide one-stop support services for customers' intelligent hardware procurement.



Focus on the R&D and produce of high-quality triple-proof terminals

Windows7/8/10/11 Linux Ubuntu Kirin Harmony Starlight	Chemical intrinsic safety/ATEX explosion-proof model
USB3.0/2.0HDMI serial port aviation plug Gigabit network port SIM/TF card slot	TYPE-CSPI interface SOC core
QR code scanner 2D terminal fingerprint scanner NFC high frequency UHF low frequency IC card	ID card thermal imaging
RFID card reader iris infrared LORA communication ZIGBEE communication digital analog intercom	Numbering and coding appearance customization
Multiple serial ports, multiple network ports, multiple aviation plugs, multiple USB ports, customized private model installation	2G/3G/4G/5G WIFI Bluetooth
MDM software customization system software power on/off animation body LOGO	GPS EPR certification CE certification
RTD/RTK high-precision positioning Beidou-3 satellite positioning Galileo GLONASS	GJB151B-2013 GJB367A-2001 GJB150A-2009 US military standard
Explosion-proof certification, three-proof certification, WEEE certification, ROHS certification, FCC certification	

Software customization

SELF-DEVELOPMENT AND PRODUCTION

- Boot animation design
- Dual system customization
- Platform software docking customization
- Camera control authority customization
- Power on and power off automatically
- WIFI and Ethernet coexist
- Software boots and starts automatically
- Disable physical buttons
- System function hiding customization
- System function deletion customization
- ROOT authority management customization
- Program pre-installation
- Various special functions customization
- System control function customization

Hardware customization

SOFTWARE MANAGEMENT

- Body LOGO customization
- Button function customization
- Shell customization
- Module function customization
- Customer private mold customization

Software management

- Disable physical buttons, disable security mode, system upgrades, sharing and other functions;
- Prohibit uninstalling control software, prohibit restoring factory settings; disable VPN, flight mode, disable GPS, disable non-system applications;
- Disable WAN, disable WAN hotspot; disable Bluetooth, disable Bluetooth transmission, disable SD, disable U disk function, USB, OTG, ADB and other storage and transmission.

Chinese People's Chinese Chips

Chenxiang actively responded to the national call for "Innovation in Information Technology" successfully developed the three proofings rugged product with independent intellectual property rights, building a solid barrier for the information security of Chinese enterprises and the country. Chinese people, Chinese chips, Shenzhen Enterprises and Manufacturing, Chenxiang leads the way!

local chip

Domestic independent Beidou positioning chip

Domestic encryption security system

Full localization of components

Design, R&D and Production

R&D AND PRODUCTION



Production Department



Quality Control Department



Sales Department



SMT Patch



R&D Department



Clean Room



Certificate Area



Strict quality control



CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A635GT

Ex ib II C T4 Gb
Ex ib III C T130°C
Double explosion-proof certification

Android 5G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC Merory



- FHD 1080*2340, Brightness 500cd/m²
Corning fourth generation 10-point touch G+G, hardness ≥7H
- MT6833-5G-C Octa core, 2.2GHz
- Android 12
- 8G+256GB
- Front camera:8.0MP/
Rear camera:48MP+5.0MP auto focus,flash
- WiFi: 2.4G+5.8G dual-band WIFI
IEEE 802.11 a/b/g/n/ac
Bluetooth 5.0, transmit distance: 10m/Net: 5G
- Protect: IP68
Drop test: Drop to 1.2m wooden floor
Working temperature: -20°C~60°C
Storage temperature: -30°C~70°C
Humidity: 5%-95% Non-Condensing
- 189x85x19.5mm /360g (no DMR antenna)
- Petrochemical Class II Explosion-proof (Optional)
- 4.4V 6000mAh lithium battery, removable
- 13.56MHZ supports 14443A/14443B/15693 and other protocols, Read and write distance: 2-5cm
- Supports POC public network intercom, no distance restrictions around the world
- Intercom distance: ≤5km, support digital + analogue intercom, 2 in 1, power 4W, DMR protocol Built-in 400/470MHz (UHF), full-band radio intercom mode (VHF can be customised)
- GPS, Beidou, Galileo, GLONASS
- TYPE-Cx1 (charging, data transfer, OTG)
SIM/TF card slot x1 (Dual Nano SIM / SIM + TF card, 2 options)
M6 external serial port x1 (for law enforcement recorders, dedicated cameras, etc.) POGO PIN x1 (2Pin charging)

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

P41T

Android 4G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC Merory



- 4.0inch,480*800 sunlight readable, GFF LCD screen, support multi-touch,High Strength Glass,Hardness>7H
- Cortex-A53 Octa-core 64 bit 2.0GHz
- Android 10
- 4G+64GB
- Front camera 2.0MP Rear camera 8.0MP, Flash
- WiFi:WiFi 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G dual frequency WIFI
Bluetooth:Bluetooth 5.0+BLE, 5-10m, Net: 2G/3G/4G
- Protection: IP66
Drop test: drop specification 1.2m concrete impact
Operating Temperature: -20°C~55°C
Storage temperature: -30°C~70°C
Ambient humidity: 5%RH - 95%RH (no condensation)
- 205x73x34mm /0.55kg(Handle size: 70x75x125mm)
- IP66 protection
- 3.8V 7500mAh Rechargeable polymer battery,removable
- 13.56MHZ support 14443A/14443B/15693 protocols(Optional)
- 28 keys soft and hard rubber buttons
(38 keys soft and hard rubber buttons optional)
- 1D/2D scanner (optional)
- GPS, Beidou, GLONASS, Galileo
- TYPE-C (USB2.0, support OTG, charging, data transfer) x1
TF card slot (support up to 128GB expansion) x1
SIM dual card slot x1
external port (2-point dock charging point) x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A65GT

Android 5G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC Merory Thumbprint GUP



- 6.58inch,1080×2408 IPS Brightness 500cd/m²
Capacitive 5-point touch
- MT1080 Octa-core,2*A78 +6*A55 2.6GHz+2.0GHz
- Android 13
- 12G RAM (+ virtual 5G RAM) + 256G ROM,
Support 2T expansion T-card
- Front Camera: 32MP / Rear Camera (Optional)
①: 200MP main camera, PDAF focus support flash
②: 24MP AF night vision with two LEDs or 5MP macro (choose one)
③: 8MP wide-angle or 5MP macro or thermal imaging
(temperature measurement range -20 ~ +550 °C
Resolution: 256X192 support dual-vision fusion) (three optional)
- Protection grade: IP68
Drop test: 1.8m wooden floor
Operating Temperature: -30°C~55°C
Storage Temperature: -40°C~80°C
Ambient humidity: 5%RH - 95%RH (no condensation)
- 172.25x83.90x22.86mm/About 360g Arm Mali-G68
- WiFi: 802.11(a/b/g/n/ac) Frequency WiFi6
Bluetooth: BT5.2BLE, Net: 2G/3G/4G/5G
- Built-in 10000mAh cobalt battery
- Optional DMR intercom, distance 5km Support repeater
Support public network intercom
- 2. Regular meter-level positioning: support BeiDou 3 GPS and other hybrid positioning, compatible with single BeiDou positioning system, 1. High-precision positioning: support BeiDou 3 centimeter-level positioning, compatible with dual-frequency single BeiDou and multi-frequency multi-systems.
- Optional scanning dock: Newland NLS-EM2596, support mainstream two-dimensional code scanning recognition.
- Optional gas detection: support hydrogen sulfide, carbon monoxide, oxygen, combustible gas concentration detection of four major types of gases
- SIM x2, Dual SIM Dual 5G Dual Standby, Dual SIM & T-Card Triple Choice, Type-C (charging, data transfer, OTG) x1, USB2.0 data transfer x1, External interface: RJ45 port/Us 5W reverse charging

CENAVA
Focus on Industrial Tablet PCs

W65G

Ex ib II C T4 Gb
Ex ib III C T130°C
Double explosion-proof certification

Windows 5G module Positioning WiFi/Bluetooth Camera NFC Merory Thumbprint



- 6.5 inch 720*1600 IPS, brightness 500cd/m², 10-point touch G+G, support medical rubber glove touch screen (can be customized wet hand touch support)
- Intel(R) Gemini Lake 1.1GHz-2.6GHz
- Windows11 (Windows10 optional)
- 8GB+128GB
- Front Camera: 8.0 MP Fixed Focus Camera
Rear Camera: 16 MP Auto Focus Camera
- WiFi: 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G dual frequency WIFI, Bluetooth 5.0+BLE, 5-10m
Net: 3G/4G/5G(Customized)
- Protection grade: IP68
Drop test: 1.2m wooden floor
Operating Temperature: -20°C~60°C (Customised -30°C~60°C)
Storage Temperature: -30°C~70°C (Customised -40°C~70°C)
Ambient humidity: 5%RH - 95%RH (no condensation)
- 186.27*90.72*26.2mm/530g
- EX Class II petrochemical explosion-proof, KA mine safety class I explosion-proof, MA coal safety class I explosion-proof
- Intel® UHD Graphics 600
- 7.6V 5000mAh high voltage lithium battery, removable
- 13.56MHZ support 14443A/14443B/15693 protocols(optional)
- 2D scanner,UHF(customized)
- GPS, Beidou, GLONASS, Galileo (Optional single Beidou positioning)
- TYPE-Cx1,USBx1,TF Card(support up to 256GB expansion)x1, SIM Card x1,POGO PIN x1

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National Service Hotline: +15818557955

Node: //www.cenavapc.com

Business tom@cenavapc.com

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Ruggedized Tablet Terminal

Network port serial port, UHF, ID card, fingerprint identification, NFC optional



CENAVA
Ultra-Rugged, More Secure Handheld Terminals

W80N



Petrochemical coal safety Ex ib II C T4 Gb Ex ib IIIC T130°C

Double explosion-proof certification



- 8inch IPS 1280*800/1920*1200 700cd/m², 10-point touch G+G, hardness ≥7H, support for medical rubber gloves touch screen (can be customized wet hand touch screen)
- Intel JASPER LAKE N5100 Quad Core 4 Thread 1.1GHz-2.8GHz
- Windows 10(Windows 11、Ubuntu20.04.5、Debian12.5 Optional)
- 8+128G HD Highlight, 8+128G FHD Highlight, 16+256G FHD Highlight
- Front camera: 5.0MP fixed focus
Rear camera: 8MP auto focus
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band WiFi Dual frequency WiFi, Bluetooth:4.0, transmit distance: 10m
Net:3G/4G/5G(Customized)
- Protection:IP68
Drop test:1.2m Free fall to wooden floor
Working temperature: -20°C~60°C (custom-30°C~60°C)
Storage temperature: -30°C~70°C (custom-40°C~70°C)
Humidity:Humidity: 5%~95% Non-Condensing

- 227*142*22.5mm/830g
- Petrochemical Class II, Mining Class I, Coal Safety Class I (optional)
- 7.6V 5550mAh high voltage lithium battery
- NFC High frequency (custom function):13.56MHZ adapt 14443A/14443B/15693 protocols
- GPS、GLONASS (U-BloxM7N)
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slotx1, SIM card slot x1, 3.5mm standard earphone jack x1
Micro HDMI x1, DC power adapter x1
POGO PIN x1, RJ45 x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

W10N



Petrochemical coal safety Ex ib II C T4 Gb Ex ib IIIC T130°C

Double explosion-proof certification



- 10inch IPS 1280*800/1920*1200 brightness 700cd/m², 10-point touch G+G, hardness ≥7H, for medical rubber gloves touch screen (can be customized wet hand touch screen)
- Intel JASPER LAKE N5100 Quad Core 4 Thread 1.1GHz-2.8GHz
- Windows 10(Windows 11、Ubuntu20.04.5、Debian12.5 Optional)
- 8+128G HD Highlight, 8+128G FHD Highlight, 16+256G FHD Highlight
- Front camera: 5.0MP fixed focus
Rear camera: 8MP auto focus
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band WiFi Dual frequency WiFi, Bluetooth: 4.0 transmit distance: 10m, Net: 3G/4G/5G(Customized)
- Protection:IP68
Drop test:1.2m Free fall to wooden floor
Working temperature:-20°C~60°C (Custom-30°C~60°C)
Storage temperature:-30°C~70°C (Custom-40°C~70°C)
Humidity:Humidity: 5%~95% Non-Condensing

- 276*180.5*22.5mm/1235g
- Petrochemical Class II, Mining Class I, Coal Safety Class I(optional)
- 7.6V 5550mAh high voltage lithium battery
- 13.56MHZ adapt 14443A/14443B/15693 protocols(customized)
- GPS、GLONASS (U-BloxM7N)
- the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slotx1, SIM card slot x1, 3.5mm standard earphone jack x1
Micro HDMI x1, DC power adapter x1
POGO PIN x1, RJ45 x1, RS232 x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

W10Y



Petrochemical coal safety Ex ib II C T4 Gb Ex ib IIIC T130°C

Double explosion-proof certification



- 10inch IPS 1920*1200 brightness 700cd/m², 10-point touch G+G, hardness ≥7H, support for medical rubber gloves touch screen (can be customized wet hand touch screen)
- Intel(R) Core(TM) i5-10210Y Quad Core 8 Thread 1.0GHz-4.0GHz
Intel(R) Core(TM) i7-10510Y Quad Core 8 Thread 1.2GHz-4.5GHz
- Windows 10(Windows 11、Ubuntu20.04.5、Debian12.5 Optional)
- 8G+128GB (M.2 SSD) i5-10210Y
16G+256GB (M.2 SSD) i7-10510Y
- Front camera: 5.0MP fixed focus
Rear camera: 12MP auto focus
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band WiFi Dual frequency WiFi Customizable WiFi 6 (with lead time)
Bluetooth:Bluetooth 4.0 transmit distance: 10m
- Protection:IP68
Drop test:1.2m Free fall to wooden floor
Working temperature:-20°C~60°C (custom-30°C~60°C)
Storage temperature:-30°C~70°C (custom-40°C~70°C)
Humidity:Humidity: 5%~95% Non-Condensing

- 276*180.5*22.5mm/1235g
- Petrochemical Class II, Mining Class I, Coal Safety Class I(optional)
- 7.6V 5550mAh high voltage lithium battery
- 13.56MHZ adapt 14443A/14443B/15693 protocols(customized)
- GPS、GLONASS (U-BloxM7N)
- the physical removal of WiFi/Bluetooth/GPS/4G communication modules 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slotx1, SIM card slot x1, 3.5mm standard earphone jack x1
Micro HDMI x1, DC power adapter x1
POGO PIN x1, RJ45 x1, RS232 x1

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National Service Hotline: +15818557955

Node: //www.cenavapc.com

Business tom@cenavapc.com

Address: 4F, Building 4, Phase I, Fu'an Intelligent Smart Industrial Park, No.99 Dayang Road, Fuhai Street, Bao'an District, China

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**W18Y**Petrochemical
coal safetyEx II C T4 GB
Ex Ib III C T130°C

Double explosion-proof certification



Windows

5G
module

Positioning

WiFi/
Bluetooth

Camera

1D/2D
scanner

NFC



ID card



Memory



UHF



- 10.1inch IPS 1920*1200 high brightness 700cd/m², 10-point touch G+G, support wet hand touch screen, glove touch screen
- Intel(R) Core(TM) i5-10210Y Quad Core 8 Thread 1.0GHz-4.0GHz Intel(R) Core(TM) i7-10510Y Quad Core 8 Thread 1.2GHz-4.5GHz
- Windows 11(Windows 10、Ubuntu20.04.6、Debian12.5 Optional)
- 8G+128GB (M.2 SSD) i5-10210Y 16G+256GB (M.2 SSD) i7-10510Y
- Front camera: 5.0MP fixed focus Rear camera: 12MP auto focus
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band WiFi Dual frequency WiFi Customizable WiFi 6 (with lead time) Bluetooth 4.0 transmit distance: 10m
- Protection: IP68 Drop test: 1.2m Free fall to wooden floor Working temperature: -20°C~60°C (Custom -30°C~60°C) Storage temperature: -30°C~70°C (Custom -40°C~70°C) Humidity: Humidity: 5%~95% Non-Condensing

- 253*172x20mm/1020g
- Intel® UHD Graphics for 10th Gen Intel® Processors
- 5550mAh high voltage lithium battery
- 13.56MHz adapt 14443A/14443B/15693 protocols (Customized)
- GPS、Beidou、Galileo、GLONASS
- 1D/2D code scanning, UHF module, HF module, LF module, ID card module, 3G/4G/5G module (customized function)
- TYPE-C x1、type-A x1 3.5mm standard earphone jack x1 TF card x1 (Support up to 256GB expansion), SIM card x1 POGO PIN x1, HDMI x1, DC x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**W30U**

Windows



Linux

5G
module

CPU



Positioning

WiFi/
Bluetooth

Camera

1D/2D
scanner

NFC



Memory



ID card

UHF



- 13.3-inch IPS 1920*1080 300cd/m² (1000cd/m² screen) (Customized) Capacitive touchscreen, optional Anti-glare, waterproof and glove touchscreen (optional)
- Ultra 5-125U/ Ultra 7-155U (optional)
- Windows 10/11 (Linux、kylin V10 SP1 operating system Optional)
- Memory DDR5: 8GB, supports up to 32G (removable) M.2 SSD: 256GB, supports up to 2TB (removable)
- Front camera: 5.0MP fixed focus Rear camera: 13MP auto focus, flash
- WiFi: WiFi 802.11(b/g/n) Bluetooth: Bluetooth 4.0 HS; (WiFi 5) Network: 4G/5G full network, communication network (optional)
- Protection: IP65 (dust-proof, water-proof) Working temperature: -20°C~50°C Storage temperature: -30°C~60°C Humidity: Humidity: 5%~95% Non-Condensing

- 328.80mm*216.80mm*23mm (Without corner guard ±1) Weight: TBD
- Petrochemical Class II (optional)
- Smart Removable Battery: Operating time >5 hours (TBD value)
- Build-in RFID/NFC function (Optional)
- Build-in Beidou/GPS positioning
- Build-in 2D scanning function, built-in identification module, built-in fingerprint encryption module (customized) USB 3.0 x1, 2USB2.0 x1, RJ45 (1000M) x1, HDMI x1, SIM card slot x1, TF card slot x1, two in one earphone jack x1, DC interface x1, Expansion interface: 1*RS232 interface (support 232/422/485 protocols), 1*pogopin case; Reserve aerial plug expansion interface: power input aerial plug interface x1, USB2.0 aerial plug interface x1, COM aerial plug interface x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**A868T**

Android

4G
module

Positioning

WiFi/
Bluetooth

Camera



NFC



Memory



UHF



- 8.68 inch 800*1340 IPS 450cd/m² 5-point touch
- MT8788 Octa core 4*A73@2.0Ghz+4*A53 -2.0Ghz
- Android 13
- 6+128GB /6+256GB/8+128GB (Optional)
- Front: 5.0MP+Rear: 13MP (Front: 2.0MP Rear: 5.0MP/8.0MP Optional)
- WiFi: 802.11a/b/g/n/ac 2.4G/5G wifi Bluetooth: BT4.2BLE Net: 2G/3G/4G
- TF card slot + SIM card slot two in one (Dual SIM or TF+SIM) x1 Type-C (Charging, Data Transfer, OTG) x1

- 219x134x11.5mm/0.48kg
- IP68 protection
- Build-in 5800mAh Cobalt-only battery
- Support NFC module
- Support GPS
- Drop test: 1.2m Free fall to wooden floor Working temperature: -10°C~50°C Storage temperature: -15°C~55°C Humidity: Humidity: 5%~95% Non-Condensing

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**A109T**

Android

4G
module

Positioning

WiFi/
Bluetooth

Camera



NFC



Memory



UHF



- 10.95inch IPS 1200*1920 500cd/m² (1200*1920 customized) 10 point touch screen
- MTK8781, Octa core, 2.2GHZ
- Android 13
- 8+128GB/6+256GB/8+256GB optional for batch order
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5G dual-band WiFi Dual frequency WiFi Bluetooth: BT4.2BLE Net: 2G/3G/4G
- TF card slot + SIM card slot two in one (Dual SIM or TF+SIM) x1 Type-C (Charging, Data Transfer, OTG) x1

- 266x177.2x13.5mm/0.7kg
- Arm Mali G57 GPU
- Build-in 18000mAh Cobalt-only battery
- Front camera: 5.0MP fixed focus Rear camera: 13MP auto focus (Front: 2.0MP Rear: 5.0MP/8.0MP Optional)
- Support
- Protection: IP68 Drop test: 1.2m Free fall to wooden floor Working temperature: -10°C~50°C Storage temperature: -15°C~55°C Humidity: Humidity: 5%~95% Non-Condensing

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CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A80PT

Double explosion-proof certification

Android 4G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC ID card Memory Thumb UHF RJ45



- 8inch IPS 1280*800 / 1920*1200, high brightness 700cd/m², can be customized 1000cd/m², 10-point touch G+G, Support for medical rubber glove touch screen (customizable wet hand touch screen)
- MTK6771, octa core, 2.0GHz
- Android 11
- Configure: 4+64G HD Highlight&8+128G FHD Highlight
Customized: 4+64G FHD Highlight&8+128G HD Highlight
- Front camera: 8MP fixed focus
(16 million can be customized in batches)
- Rear camera: 13MP auto focus 1A true flash
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
Bluetooth: 4.2 (BLE) class1 transmit distance: 10m, Net: 2G/3G/4G
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%~95% Non-Condensing

- 258*150*22.5mm/780g
- Explosion-proof: Petrochemical Class II, Mining Class I, Coal Safety Class (optional)
- 10000mAh, 3.8v high voltage lithium battery
- 13.56MHZ supports 14443A/14443B/15693 and other protocols
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 2.0 x1, 3.5mm standard earphone jack x1
Micro HDMI x1, DC power interface x1
TF card slot x1, SIM card slot x1, Dual slot can be customized
POGO PIN x1, RJ45 x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A88ST

Double explosion-proof certification

Android 4G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC ID card Memory Thumb UHF RJ45



- 8inch IPS 1280*800, customized 1920*1200, high brightness 700cd/m², customized 1000cd/m², G+G, hardness ≥7H, support wet hand touch screen, glove touch screen
- MTK6771, octa core, 2.0GHz
- Android 11
- Configure: 4+64G HD Highlight&8+128G FHD Highlight
Customized: 4+64G FHD Highlight&8+128G HD Highlight
- Front camera: 8MP fixed focus
- Rear camera: 16MP auto focus, flash
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
Bluetooth: 4.2 (BLE) class1 transmit distance: 10m
Network: 3G/4G
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%~95% Non-Condensing

- 220*150*15mm (Minimum position 9mm) /610g
- Explosion-proof: Petrochemical Class II
- 10000mAh, 3.8v high voltage lithium battery
- 13.56MHZ supports 14443A/14443B/15693 and other protocols
- GPS, Beidou, Galileo, GLONASS
- 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (Customized function)
- TYPE-C x1 (charging, data transmit, OTG)
- TF card slot x1, SIM card slot x1, Dual SIM slot can be customized, Micro HDMI x1, DC power interface x1
POGO PIN x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A80ST

Double explosion-proof certification

Android 4G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC ID card Memory Thumb UHF RJ45



- 8inch IPS 1280*800, customized 1920*1200, high brightness 700cd/m², customized 1000cd/m², 10point touch G+G, Support for medical rubber glove touch screen (customizable wet hand touch screen)
- MTK6771, octa core, 2.0GHz
- MTK8781, octa core, 2.2GHz
- Android 10 (MT6771)/Android 13 (MTK8781)
- Configure: 4+64G HD Highlight&8+128G FHD Highlight(MTK6771)
Customized: 4+64G FHD Highlight&8+128G HD Highlight
Configure: FHD Highlight 8+128G/12+256G(MTK8781)
- Front camera: 8MP fixed focus
(16 million can be customized in batches)
- Rear camera: 16MP auto focus flash
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
Bluetooth: 4.2 (BLE) class1 transmit distance: 10m
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%~95% Non-Condensing

- 227*142*22.5mm/720g
- Explosion-proof: Petrochemical Class II, Mining Class I, Coal Safety Class (optional)
- 10000mAh, 3.8v high voltage lithium battery
- 13.56MHZ supports 14443A/14443B/15693 and other protocols
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function), Net: 2G/3G/4G
- TYPE-C x1, USB 2.0 x1, TF card slot x1
3.5mm standard earphone jack x1
SIM card slot x1, DC power interface x1, POGO PIN x1, Micro HDMI x1 (MTK8781 version don't have), RJ45 x1

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

A10ST

Double explosion-proof certification

Android 4G module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC ID card Memory Thumb UHF RJ45



- 10.1inch IPS 1280*800/1920*1200, high brightness 700cd/m², customized 1000cd/m², 10point touch G+G, Support for medical rubber glove touch screen (customizable wet hand touch screen)
- MTK6771, octa core, 2.0GHz
- MTK8781, octa core, 2.2GHz
- Android 10 (MT6771)/Android 13 (MTK8781)
- Configure: 4+64G HD Highlight&8+128G FHD Highlight(MTK6771)
Customized: 4+64G FHD Highlight&8+128G HD Highlight
Configure: FHD Highlight 8+128G/12+256G(MTK8781)
- Front camera: 8MP fixed focus
(16 million can be customized in batches)
- Rear camera: 16MP auto focus flash
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
Bluetooth: 4.2 (BLE) class1 transmit distance: 10m
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%~95% Non-Condensing

- 276*180.5*22.5mm/1150g
- Explosion-proof: Petrochemical Class II, Mining Class I, Coal Safety Class (optional)
- 10000mAh, 3.8v high voltage lithium battery
- 13.56MHZ supports 14443A/14443B/15693 and other protocols
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function), Net: 2G/3G/4G
- TYPE-C x1, USB 2.0 x1, 3.5mm standard earphone jack x1
Micro HDMI x1 (MTK8781 version don't have) TF card slot x1, SIM card slot x1, DC power interface x1, POGO PIN x1, RJ45 x1, RS232 x1

Warm reminder: product data is for reference only, the specific parameters please prevail in kind, subject to change without notice. Update time/2024/11/8

CENAVA
Ultra-Rugged, More Secure Handheld Terminals

National Service Hotline: +15818557955

Node: //www.cenavapc.com

Business tom@cenavapc.com

Address: 4F, Building 4, Phase I, Fu'an Intelligent Smart Industrial Park, No.99 Dayang Road, Fuhai Street, Bao'an District, China



- 10.1inch IPS 1280*800/1920*1200, high brightness 700cd/m², customized 1000cd/m², 10-point touch G+G, Support for medical rubber glove touch screen (customizable wet hand touch screen)
- MTK6771, octa core, 2.0GHz
- Android 11
- Configure: 4+64G HD Highlight&8+128G FHD Highlight Customized: 4+64G FHD Highlight&8+128G HD Highlight
- Front camera: 8MP fixed focus
- Rear camera: 16MP auto focus flash
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
- Bluetooth: 4.2 (BLE) distance: 10m
- Net: 2G/3G/4G
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%-95% Non-Condensing

- 253x172x20mm/880g
- Explosion-proof: Petrochemical Class II
- Build-in 10000mAh, 3.8v high voltage lithium battery
- 13.56MHZ supports 14443A/14443B/15693 and other protocols
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 2.0 x1, 3.5mm standard earphone jack x1 Micro HDMI x1, TF card slot x1, SIM card slot x1, Dual SIM card slot can be customized DC power interface x1, POGO PIN x1



Domestic military grade customization area

Multi-module interface, optional domestic chip/ domestic system



- 8inch IPS 1920*1200 brightness 700cd/m², 10-point touch G+G, hardness ≥7H, support for medical rubber gloves touch screen (can be customized wet hand touch screen)
- Intel(R) Core(TM) i5-10210Y Quad Core 8 Thread 1.0GHz-4.0GHz
- Intel(R) Core(TM) i7-10510Y Quad Core 8 Thread 1.2GHz-4.5GHz
- Windows 11(Windows 10, Ubuntu20.04.5, Debian2.5 Optional)
- 8G+128GB (M.2 SSD) i5-10210Y
- 16G+256GB (M.2 SSD) i7-10510Y
- Front camera: 5.0MP fixed focus
- Rear camera: 12MP auto focus
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
- Dual frequency WiFi Customizable WiFi 6 (with lead time)
- Bluetooth: 4.0 transmit distance: 10m, Net: 3G/4G/5G
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%-95% Non-Condensing

- 227*142*22.5mm/830g
- Petrochemical Class II, Mining Class I, Coal Safety Class I (optional)
- 7.6V 5550mAh high voltage lithium battery
- 13.56MHZ adapt 14443A/14443B/15693 protocols(customized)
- GPS, Beidou, Galileo, GLONASS(Single BeiDou positioning customized)
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slot x1, SIM card slot x1, 3.5mm standard earphone jack x1, Micro HDMI x1, DC power adapter x1 POGO PIN x1, RJ45 x1(100/1000M)



- 8inch IPS 1920*1200 brightness 700cd/m², 10-point touch G+G, support for medical rubber gloves touch screen (can be customized wet hand touch screen)
- RK3568 Quad-core 64bit Cortex-A55 2.0GHz
- RK3588 eight-core 64-bit (4×Cortex-A76+4×Cortex-A55) 2.4GHz
- Android 11(RK3568)/Android 12(RK3588)
- Optional Star Kylin / Open Harmony v4.1
- 8G+128GB+SSD(RK3568)
- 8G+128GB+SSD, 16G+128GB+SSD(RK3588)
- Front camera: 5.0MP/Rear camera: 8MP(RK3568)
- Front camera: 13.0MP/Rear camera: 13MP(RK3588)
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
- WiFi Dual frequency WiFi
- Bluetooth: 5.0 transmit distance: 10m/Net: 3G/4G/5G
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%-95% Non-Condensing

- 227*142*22.5mm/830g
- Petrochemical Class II, Mining Class I, Coal Safety Class I (optional)
- 7.6V 5550mAh high voltage lithium battery
- 13.56MHZ adapt 14443A/14443B/15693 protocols(customized)
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slot x1, SIM card slot x1, 3.5mm standard earphone jack x1, Micro HDMI x1, DC power adapter x1, POGO PIN x1, RJ45 x1(100M/1000M) M.2 SSD interface x1, Motherboard reserved, support SATA protocol FAT32 format (max. 1TB)



- 10.1inch IPS 1920*1200 brightness 700cd/m², 10-point touch G+G, support for medical rubber gloves touch screen (can be customized wet hand touch screen)
- RK3568 Quad-core 64bit Cortex-A55 2.0GHz
- RK3588 eight-core 64-bit (4×Cortex-A76+4×Cortex-A55) 2.4GHz
- Android 11(RK3568)/Android 12(RK3588)
- Optional Star Kylin / Open Harmony v4.1
- 8G+128GB+SSD(RK3568)
- 8G+128GB, optional 16G+128GB+SSD(RK3588)
- Front camera: 5.0MP/Rear camera: 8MP(RK3568)
- Front camera: 13.0MP/Rear camera: 13MP(RK3588)
- WiFi: 802.11(a/b/g/n/ac) frequency 2.4G+5.8G dual-band
- WiFi Dual frequency WiFi/Bluetooth: 5.0 transmit distance: 10m
- Net: 3G/4G/5G(customized function)
- Protection: IP68
- Drop test: 1.2m Free fall to wooden floor
- Working temperature: -20°C~60°C (custom-30°C~60°C)
- Storage temperature: -30°C~70°C (custom-40°C~70°C)
- Humidity: Humidity: 5%-95% Non-Condensing

- 276*180.5*22.5mm/1235g
- Petrochemical Class II, Mining Class I, Coal Safety Class I (optional)
- 7.6V 5550mAh high voltage lithium battery
- 13.56MHZ adapt 14443A/14443B/15693 protocols(customized)
- GPS, Beidou, Galileo, GLONASS
- Support the physical removal of WiFi/Bluetooth/GPS/4G communication modules, 1D/2D code scanning, UHF module, HF module, LF module, ID card module, Fingerprint module (customized function)
- TYPE-C x1, USB 3.0 x1, TF card slot x1, SIM card slot x1, 3.5mm standard earphone jack x1, Micro HDMI x1, DC power adapter x1, POGO PIN x1, RJ45 x1(100M/1000M), RS232*1 M.2 SSD interface x1 Motherboard reserved, support SATA protocol FAT32 format (max. 1TB)

Warm reminder: product data is for reference only, the specific parameters please prevail in kind, subject to change without notice. Update time/2024/10/29

CENAVA CXS10-F

KYLIN KylinOS CPU 4G Module Positioning WiFi/Bluetooth Camera 1D/2D scanner NFC GPU Reliability Network/Serial Port



- 10.1inch IPS 1920*1200, brightness 450cd/m² (Optional 1000cd/m²) Capacitive touch screen, multi-touch capacitive touch screen, anti-glare, waterproof, support capacitive stylus
- Feiteng Tengrui D2000 Octa-Core 2.0GHz
- Domestic Feiteng X100 Graphics Card 4G
- Kirin System (Standard Edition) / Optional Galaxy Kirin (Defence Edition)
- 8G DDR4, laptop memory stick, optional up to 64G support 512GB M.2 2280 SSD, optionally supports up to 2TB
- Customization optional Front & Rear Camera 5.0 MP/ Front & Rear Camera 13 MP
- WiFi: Customized optional, WiFi IEEE 802.11 b/g/n/ac/ax / Bluetooth: 5.0 / Net: 4G (Customized model)
- Protection: IP65
- Drop test: 1.0m Free fall to wooden floor
- Working temperature: -20°C~+55°C (Can be customised ultra-low temperature -40 degrees)
- Storage temperature: -45°C~65°C
- Humidity: Humidity: 5%~95% Non-Condensing
- 295x195x30mm (excluding corner guards and buttons) 2100g
- 8400mAh/11.1V Polymer Battery
- BeiDou, GPS, GLONASS multi-mode positioning (Customized)
- Customized fingerprint identification, 2D scanning head, multi-network port, multi-serial port, external antenna, aerial plug-in: serial port, network port, charging port, Customer-specified modules, etc.
- Environmental indicators: humidity/heat/vibration/shock: in line with GJB367A-2001/ GJB150A-2009, Salt spray/mould: in line with GJB367A-2001/ GJB150A-2009 (customised), Electromagnetic compatibility: in line with GJB151B-2013 (customized)
- USB3.0 port x2, network port x1 (10/100/1000M), HDMI x1, DC connector x1, headphone and microphone 2-in-1 connector x1, SIM card slot x1, customised 9-24V power supply with wide-voltage input, reserved SMA connector x1 (external antenna for WiFi Bluetooth/4G/GPS) Airline plug-in connector (optional) x1 COM port (RS232 COM port (RS232/485/422 mode triple choice)

Industrial Fully Ruggedised Laptop

Support domestic Phytium D2000/ intel 6 generation 11 generation

CENAVA CXD14-F Single Screen

Windows Linux KylinOS CPU 4G Module Positioning WiFi/Bluetooth Camera Memory GPU Reliability Network/Serial Port



- 14"/15.6"/17.3" anti-glare protection screen 1920 x 1080, brightness 500cd/m² (14"/15.6" can be Optional 1000cd/m²)
- i7-11390H / i9-13900T (15.6"/17.3") Domestic Flying D2000 2.3GHz Octa-Core
- Windows 11/10/Linux/Galaxy Kirin V10
- Optional Laptop Memory DDR4: ≤64G M.2 2280 SSD SATA: ≤4TB Optional Nvme Protocol SSD Standard: 8G+512G
- Front 5.0 MP/Rear 13 MP (customized)
- WiFi: 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G Dual-band WiFi
- Bluetooth: Support
- Wireless capability: GPS/4G module (customised)
- Operating temperature: -20°C~55°C (can be customised wide temperature -40°C~55°C)
- Storage Temperature: -30°C~70°C
- Protection grade: IP65
- Comply with the relevant requirements of the National Military Standard
- 355×264×50mm (excluding feet and handles)/4.8kg
- MXM discrete graphics card 4G video memory (custom)
- 3050 Discrete Graphics Card 8GB Video Memory (15.6"/17.3" Custom)
- 3080 discrete graphics card 16GB video memory (15.6"/17.3" custom)
- 11.1V 11200mAh (14"/15.6")
- 14.4V 12000mAh (17.3")
- Aluminium alloy shell+silicone protective corners
- Environmental indicators: humidity/heat/vibration/shock: in line with GJB367A-2001/ GJB150A-2009, Salt spray/mould: in line with GJB367A-2001/ GJB150A-2009 (customised), Electromagnetic compatibility: in line with GJB151B-2013 (customized)
- Standard Interfaces: USB 3.0 x2, USB 2.0 x1, RJ45 (Gigabit) x2, COM (232/422/485 triple choice) x1, Headset microphone 2-in-1 interface x1, Micro HDMI x1, DC-in 19V (aviation plug interface) x1 Customised modules: multiple network ports, multiple serial ports, multiple USB ports, change of aerial plugs, integrated functional modules, etc.

CENAVA CXD14-F Dual Screen

Windows Linux KylinOS CPU 4G Module Positioning WiFi/Bluetooth Camera Memory GPU Reliability Network/Serial Port



- 14"/15.6"/17.3" Dual screen, anti-glare protection screen, Resolution: 1920 x 1080, brightness 500cd/m² (15.6" can be customised 1000cd/m²)
- i7-11390H 4-core, 8-thread, 3.4-5.0GHz i9-13900T 24-core, 32-thread, 1.1-5.3GHz
- Windows 11/10/Linux/Galaxy Kirin V10
- Optional: DDR4: 64G (i7-11390H) Standard: 8G+512G DDR5: 128G (i9-13900T) M.2: 4TB (i7-11390H) M.2: 8TB (i9-13900T) Optional Nvme Protocol SSDs
- Front 5.0 MP/Rear 13 MP (customized)
- WiFi: 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G Dual-band WiFi, Bluetooth: Support
- Wireless capability: GPS/4G module (Customised)
- Operating temperature: -20°C~55°C (can be customised wide temperature -40°C~55°C)
- Storage Temperature: -30°C~70°C
- Protection grade: IP65
- Comply with the relevant requirements of the National Military Standard
- 396×313×74mm, /9.0kg
- MXM discrete graphics card 4G video memory (Custom)
- 3050 Discrete Graphics Card 8GB Video Memory (Custom)
- 3080 discrete graphics card 16GB video memory (Custom)
- 14.4V 12000mAh
- 5 parallel 3 series high capacity polymer batteries
- Aluminium alloy shell + silicone protective corners
- Environmental indicators: humidity/heat/vibration/shock: in line with GJB367A-2001/ GJB150A-2009, Salt spray/mould: in line with GJB367A-2001/ GJB150A-2009 (customised), Electromagnetic compatibility: in line with GJB151B-2013 (customized)
- Standard Interfaces: USB 3.0 x3, USB 2.0 x1, RJ45 x2, HDMI x1, COM (232/422/485 triple choice) x1 Headset microphone 2-in-1 interface x1, TYPC x1, TF card slot x1, DC-in 19V (aviation plug interface) x1 Customised modules: multiple network ports, multiple serial ports, multiple USB ports, change of aerial plugs, integrated functional modules, etc.

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CENAVA
Ultra-Rugged, More Secure Handheld Terminals**CXD14-F Triple Screen**

Windows Linux KylinOS CPU 4G Module Positioning WiFi/Bluetooth Camera Memory GPU Reliability Network/Serial Port



- 14/15.6/17.3" Triple screen, Resolution: anti-glare protection screen 1920 x 1080, brightness 500cd/m², can be customised 1000cd/m²
- I7-11390H 4-core, 8-thread, 3.4-5.0GHz
- I9-13900T 24-core, 32-thread, 1.1-5.3GHz
- Windows 11/10/Linux/Galaxy Kirin V10
- Optional: DDR4: 64G (i7-11390H) Standard: 8G+512G
- DDR5: 128G (I9-13900T)
- M.2: 4TB (i7-11390H)
- M.2: 8TB (I9-13900T) Optional Nvme Protocol SSDs
- Front 5.0 MP/Rear 13 MP(customized)
- WiFi: 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G
- Dual-band WiFi/Bluetooth: Support
- Wireless capability: GPS/4G module (customised)
- Operating temperature: -20°C~55°C
- (can be customised wide temperature -40°C~55°C)
- Storage Temperature: -30°C~70°C
- Protection grade: IP65
- Comply with the relevant requirements of the National Military Standard
- 400 × 295 × 82mm / 12.5kg
- MXM discrete graphics card 4G video memory (custom)
- 3050 Discrete Graphics Card 8GB Video Memory (Custom)
- 11.1V 11200mAh (i7-11390H)/14.4V 12000mAh (i9-13900T)
- 5 parallel 3 series high capacity polymer batteries
- Aluminium alloy shell + silicone protective corners
- Environmental indicators: humidity/heat/vibration/shock: in line with GJB367A-2001/ GJB150A-2009, Salt spray/mould: in line with GJB367A-2001/ GJB150A-2009 (customised), Electromagnetic compatibility: in line with GJB151B-2013 (customised)
- Standard Interfaces: USB 3.0 x2, USB 2.0 x1, RJ45 (Gigabit) x2, COM (232/422/485 triple choice) x1, Headset microphone 2-in-1 interface x1, Micro HDMI x1, DC-in 19V (aviation plug interface) x1
- Customised modules: multiple network ports, multiple serial ports, multiple USB ports, change of aerial plugs, integrated functional modules, etc.

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**W14U-S**

Windows 4G Module Positioning WiFi/Bluetooth Camera Memory GPU RJ45



- 14 inches, 1920*1080 (optional: high brightness touch screen with 1000 lumens)
- Generation 6/8 CPU: i5-6200U at 2.3GHz/i7-6500U at 2.5GHz, 11th Generation CPU: i5-1135G7 at 2.4GHz/ i7-1165G7 at 2.8GHz/i7-1185G7 at 3.0GHz
- Windows 7/Windows 11
- Gen 6/8: Standard 8G (Optional 16G/32G) +256GB (Optional 1TB/2TB/8TB (2.5-inch SSD))
- Gen 11: 8G standard (Optional 16G/32G/64GB) +256GB (Optional 512GB/2TB/8TB)
- Camera: Front 2.0MP
- WiFi: 2.4G+5.8G Dual-band WiFi
- Bluetooth: BT5.1
- Wireless capability: GPS+beidou/4G module (customised)
- Operating temperature: -35°C~+50°C (battery powered)
- (when powered by charger) -20°C~+50°C (battery powered)
- Storage Temperature: -40°C~+70°C
- Protection grade: IP65, drop 1.2 meters
- 350*285*38mm (excluding handles and corners and other protruding parts) 2500g
- GTX-1050 4G discrete graphics card(customized)
- 10.8V 4700mAh lithium battery (pluggable)
- High brightness LCD Touch Screen, High Gloss Screen, Fingerprint Module, Built-in Battery
- Backlit Keyboard, Optical Drive Selection/Modification
- Optical drive hole x1 (default leave empty, can add optical drive / battery / hard drive three choose one)
- Power connector x1, Gigabit Ethernet port x1
- RS232/422/485 serial port x1 (adjustable under BIOS)
- USB2.0 x1, USB 3.2 x2, VGA x1
- HDMI x1, audio interface x1
- Expansion Base: Optional PCIE 4X x1, and PCIE 1X x1, or PCI 1X interfaces x2

Touch commercial display advertising terminal

7/8/9/10 inches optional/rich interface/
support customization

**CENAVA**
Ultra-Rugged, More Secure Handheld Terminals**H10PRO**

Windows 4G Module Positioning WiFi/Bluetooth Camera Memory RJ45 Network/Serial Port



- 10.1-inch IPS, 1920*1200, 10-point touch
- Intel® Celeron J4125 Quad-core 2.0 GHz~2.70GHz
- Windows 10/Windows 11 optional
- 8GB+128GB /16GB+128GB
- Black, white is optional for batch order customized
- WiFi: 2.4G+5G dual-band wifi, Intel AC-3165 WiFi 802.11ac/b/g/n, Bluetooth: BT 4.0(AC-3165)
- 4G Net: Built-in 4G module(optional)
- 249*162*68mm/1045g
- Dual speaker 4 Ω 3 w x2
- 7.4V/5000mAh Lithium Polymer Battery
- External antenna to boost WIFI signal
- Built-in M.2 2280 SSD interface x1, USB3.0 x4, DC-12V power connector x1, TF&SIM 2-in-1 card slot x1
- Audio output and microphone input x1, HDMI HD output port x1, RJ45 (Gigabit) x1, RS232 serial port x1
- POE power supply: optional for batch customization, POE power supply via network port

CENAVA
Ultra-Rugged, More Secure Handheld Terminals**H10F**

Windows 4G Module Positioning WiFi/Bluetooth Camera Memory RJ45 Network/Serial Port



- 10.1-inch IPS, 1920*1200, 10-point touch screen
- Intel® Celeron J4125 Quad-core 2.0 GHz~2.70GHz
- Windows 10/Windows 11 Optional
- 8GB+128GB /16GB+128GB
- Black, white is optional for batch order customized
- WiFi: 2.4G+5G dual-band wifi, Intel AC-3165
- WiFi 802.11ac/b/g/n
- External antenna to boost WIFI signal
- 4G Net: Built-in 4G module(optional)
- 243*166*32mm/990g
- Dual speaker 4 Ω 3 w x2
- 7.4V/5000mAh Lithium Polymer Battery
- 1D/2D scanner (Customized)
- Built-in M.2 2280 SSD interface x1, USB3.0 x4, DC-12V power connector x1, TF&SIM 2-in-1 card slot x1
- Audio output and microphone input x1, HDMI HD output port x1
- RJ45 (Gigabit) x1, RS232 serial port x1
- POE power supply: optional for batch customization, POE power supply via network port

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CENAVA
Ultra-Rugged, More Secure Handheld Terminals

National Service Hotline: +15818557955

Business tom@cenavapc.com

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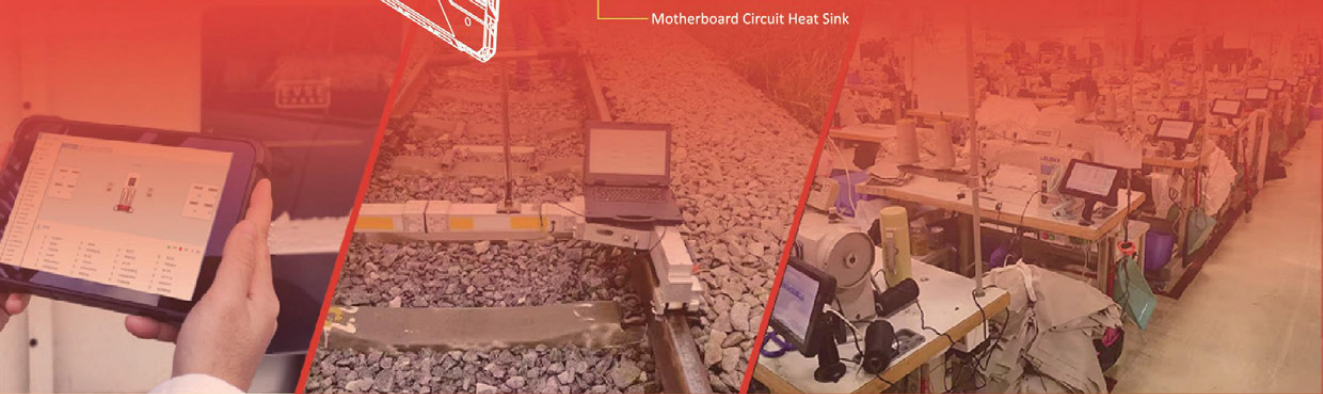
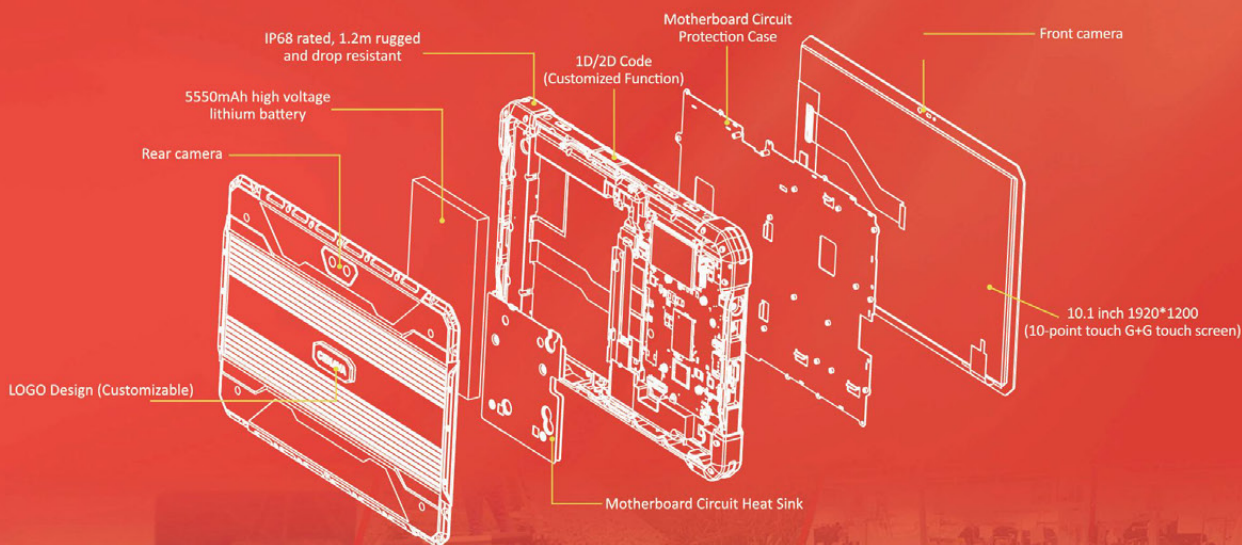
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Ten-layer explosion-proof. Mine Intrinsically Safe Tablet PC

MA Ex KA Certificate, Triple Certification



CENAVA Intrinsically Safe Explosion Proof Tablet PC has adopted the "ten-layer explosion proof technology" standard from various dimensions such as motherboard, battery, body structure and material selection since the beginning of design and development, so that it can be used in flammable and explosive gas, dust, gas and other environments, but still be able to provide a stable and safe communication service.



+15818557955

Address: 4F, Building 4, Phase I, Fu'an Intelligent Smart Industrial Park,
No.99 Dayang Road, Fuhai Street, Bao'an District, China

Web address: www.cenavapc.com

Inbox: tom@cenavapc.com



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