# ONErugged

Rugged Handheld
H60T

- 5G-integrated, Octa-core Arm chip, with Android 12 OS
- 5.99-inch large screen in ultra-thin 14mm thinner and 255g weight body
- Support dual-mode 5G networks （NSA /NA) and Dual-SIM 5G
- high-capacity removable battery, up to 8 hours of battery life when fully charged
- Standard Type-C charge port with provided 10W adapter, a optional docking charger is available
- Professional 2D scanning engine for close-up reading of large barcodes as well as multiple barcodes
- 5MP Front Camera & 13MP Rear Camera
- Rugged design with a IP-65 rated waterproof, built to survive temperature changes, drops, shock, and vibration
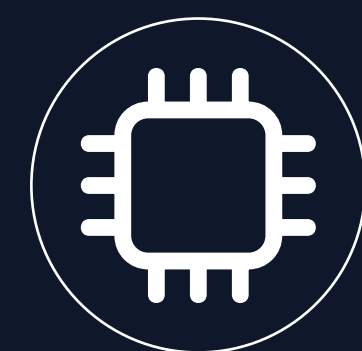
Octa-core ARM processor	Android 12 Operating System	5.99 inch IPS	380cd/cm2	Dual-SIM 5G
dual band WIFI	4500mAh 8hrs	Front 5M Rear 13M	GPS/GLONASS/ beidou/Galileo	IP65

Rugged Handheld H60T
Specifications

ONErugged

CPU
Octa-core ARM processor

Operating System
Android 12

Memory
RAM: 4GB
ROM: 64GB Emcp

Display
Type: IPS
Size: 5.99 inch   18:9
Resolution: 720*1440
Brightness: 380cd/cm2

Touch Pannel
5 points Capacitive

Dimension/Weight
164*80*14 mm
255g

Buttons
Power *1
Volume Adjustment Key (+) *1
Volume Adjustment Key (-) *1
Bar code scanning (left and right)*2

Speaker
Embedded 8Ω/1W speaker x 1

Battery
External polymer lithium ion battery
3.8V/4500mAh
8hrs

WIFI
WIFI 802.11(a/b/g/n/ac)
frequency 2.4G+5G

Bluetooth
Bluetooth 5.1 (BLE)

WAN
2G/3G/4G/5G

GPS
GPS/GLONASS/beidou/Galileo

NFC
Optional

I/O Interface
TYPE-C 2.0*1 OTG   (Data transmission)
TYPE-C (Audio output)
TF card *1, Max: 128GB
Two nano card
Two out of three card holders
Pogo Pin (Base Charge) *1

Certification
IP65

Rugged Features
Drop height:1.2m Composite wood
        floor working
Working temperature: -10 °C to 50 °C
Storage temperature: -20 °C to 60 °C
Humidity: 95% Non-Condensing

Adapter
DC 5V/2A

Modular Options
2D Barcode Scanner

Rugged mobile PC
M80J

● With the Quad-core Intel JASPER LAKE N5100 processor and Windows 10 operating system, M80J presents an outstanding performance.

● Designed for a rugged, compact and anti-fall body with PC material of backplane, and TPU material of frame, full protection for four corners.

● Full 8-inch IPS display with 1000-Nits high brightness, and a 5-point touch panel, providing excellent readability for both indoors and outdoors.

● Couple with 7.6V/5000mAh high-capacity detachable battery, M80J ensures a long-lasting stability and easy mobile work for multiple shifts.

● Built-in 2.4GHz and 5GHz dual-band WiFi, providing faster seamless connection in any workplaces.

● Built-in 2G/3G/4G and Bluetooth 5.0 communication modules, capable of multi-satellite running with GPS/Glonass/Beidou, providing accurate navigation and positioning.

● 2D barcode scan engine and NFC modules for options.

● Extensive interfaces such as USB 3.0, Type-C and 2.0a Mini H DMI for diverse application scenarios.

● Passed the IP65 and MIL-STD-810H test, presenting solid waterproof and dustproof performance in the harsh environment.

N5100 processor	Windows10 Operating System	8 inch IPS display	1000cd/㎡ Brightness	2D barcode scan engine

Dual-band WiFi	5000mAh	Front 5.0MP Rear 8.0MP	GPS/GLONASS/Beidou	IP65
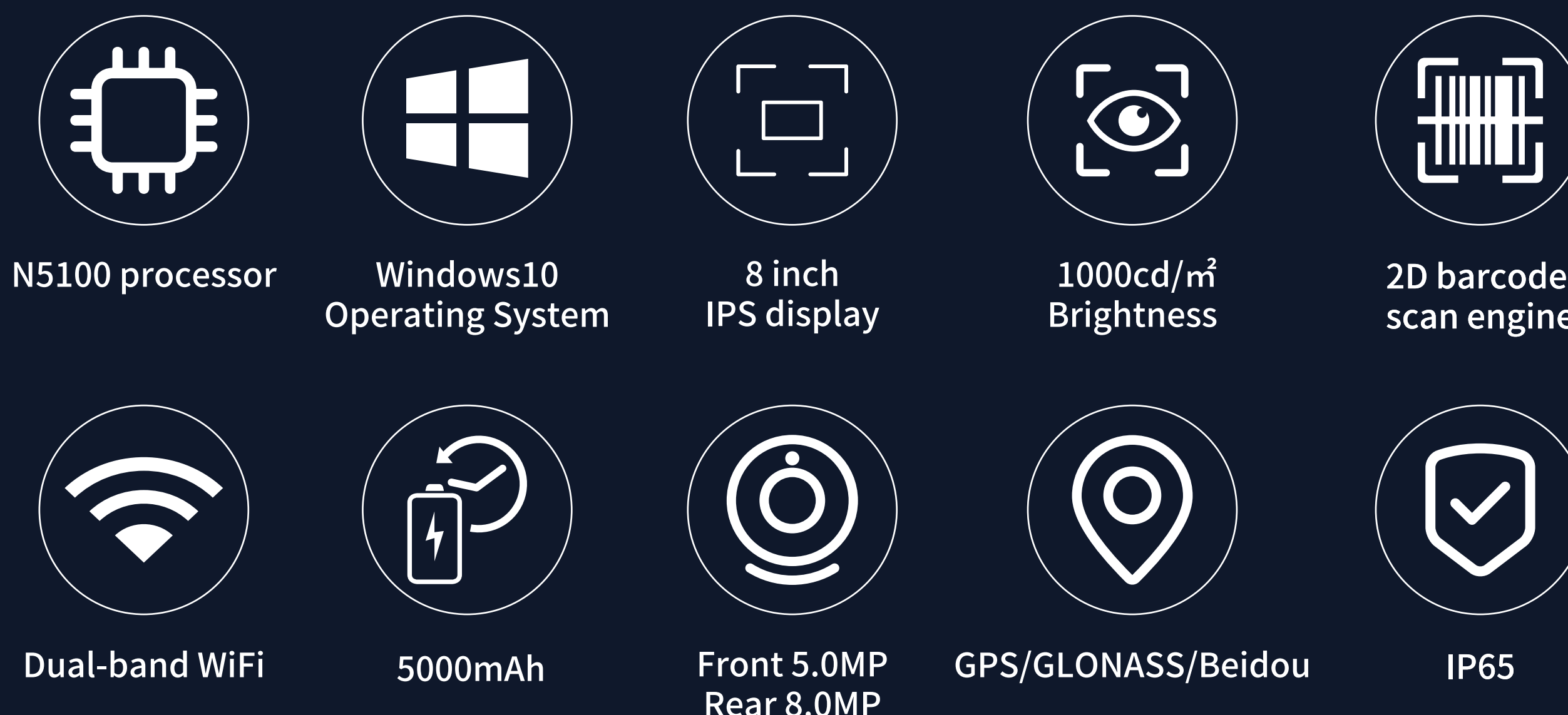
M80J rugged mobile PC
Specifications

ONErugged

CPU
N5100 processor

Operating System
windows 10 Home

Memory
RAM: 8GB LPDDR4x
ROM: 128GB EMMC

Display
Type: IPS
Size: 8 inch   16:10
Resolution: 800*1280
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
236.7*155.7*20.8mm
818g

Buttons
Power *1   (yellow)
Volume+ *1
Volume- *1
P1 key*1 (HOME key)
F key *1
(Barcode Scanning, connected to GPIO)

Speaker
8Ω/1W Waterproof Speaker *2

Battery
Removable Li-polyment Battery
7.6V/5000mAh

WIFI
WIFI 802.11 a/b/g/n/ac (2.4G+5G)

Bluetooth
BT5.0 (BLE)

WAN
2G/3G/4G

GPS
GPS/GLONASS/Beidou

NFC
Support

I/O Interface
USB 3.0 *1 (Type A)
Type C *1 (Data & Charing)
⨎ 3.5mm Standard earjack *1
TF *1   max：512G
SIM card*1
DC 19V 3.42A jack x1
HDMI 2.0a mini *1
12PIN Pogo Pin *1

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22m drop
Working temperature: -20 ℃ to 60 ℃
Storage temperature: -30 ℃ to 70 ℃
Humidity: 95% Non-Condensing

Adapter
DC 19V 3.42A dapter

2D Code
Support

Rugged mobile PC
M80T

ONErugged

- Equipped with the ARM octa-core processor and the latest Android 13 operating system, M80T presents an outstanding performance.

- Designed for a rugged, compact and anti-fall body with PC material of backplane, and TPU material of frame, full protection for four corners.

- Full 8-inch HD display with 1000-Nits high brightness, and a 5-point capacitive touch panel, providing excellent readability for both indoors and outdoors.

- Couple with 3.8V/10000mAh high-capacity detachable battery, M80T ensures a long-lasting stability and easy mobile work for multiple shifts.

- Built-in 2.4GHz and 5.8GHz dual-band WiFi 6 mode, providing faster seamless connection in any workplaces.

- Built-in 4G and Bluetooth 5.2 communication modules, capable of multi-satellite running with GPS/Glonass, providing accurate navigation and positioning.

- 2D barcode scan engines and NFC modules for options.

- Certified to IP65 and MIL-STD-810H tests, presenting solid waterproof and dustproof performance in the harsh environment.
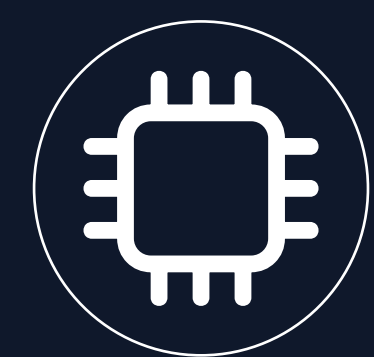
ARM octa-core processor	Android 13 Operating System	8 inch HD display	1000cd/㎡ Brightness	2D barcode scan engine
Dual-band WiFi	10000mAh	Front 5.0MP Rear 13.0MP	GPS/GLONASS	IP65

M80T rugged mobile PC
Specifications

ONErugged

CPU
ARM octa-core processor

Operating System
Android 13

Memory
RAM: 8GB LPDDR4x
ROM: 128GB EMMC

Display
Type: HD
Size: 8 inch   16:10
Resolution: 800*1280
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
236.7*155.7*20.8mm
820g

Buttons
Power *1 (yellow)
Volume+ *1
Volume- *1
P1 key *1 (HOME key)
F key *1
(Customizable when no adaptive scanner)

Speaker
8Ω/1W *2 Waterproof Speaker *2

Battery
Removable Lithium-ion polymer battery
3.8V/10000mAh

WIFI
WIFI 802.11 a/b/g/n/ac (2.4G+5.8G)
dual-band WIFI6

Bluetooth
BT5.2 (BLE)

WAN
2G/3G/4G

GPS
GPS/GLONASS

NFC
Support

I/O Interface
USB 2.0 *1 (Type A)
Type C *1 (Data & Charing)
♪ 3.5mm Standard earjack *1
Nano-SIM x 2/Micro SD up to 512GB x 1
+Nano-SIM x 1 (3-in-1 card holder)
 DC support 5V/3A charging
12PIN Pogo Pin *1

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

Adapter
AC100V ~ 240V, 50Hz/60Hz output
DC 5V/3A

2D Code
Optional

ONErugged

Rugged Mobile PC
M10A

- Powered by 12th Generation Intel® Core™ i5-1235U/i7-1255U Processor and Windows 11
- Support 16GB RAM + 128GB SSD, the SSD is detachable, easy to expand by simply pulled out and replaced
- 10.1-inch LCD screen with 700 nits high brightness
- 10-point capacitive touch, support glove touch
- Supports the latest WiFi 6 technology, 4G and Bluetooth 5.1
- 7.4V/5000mAh + 7.4V/700mAh double battery, the large battery is removable and hot-swappable
- Equipped with a full set of interfaces including full-featured Type-C, USB 3.0, 2.1a Mini HDMI and more
- Choose one of four modules among wired network interface, USB 2.0, RS232 and 2D barcode module, choose as you like
- Passed IP65 and multiple stringent MIL-STD-810G military standard tests, industrial-grade safety protection
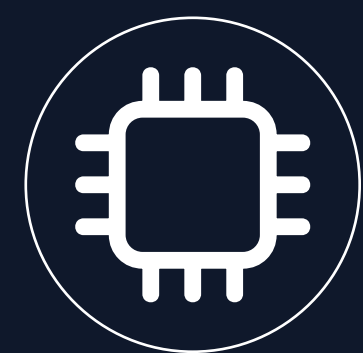
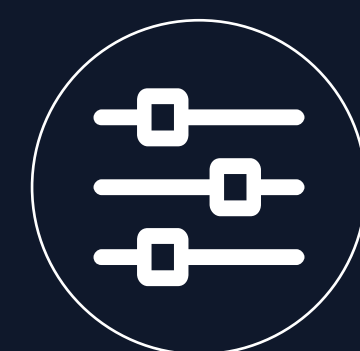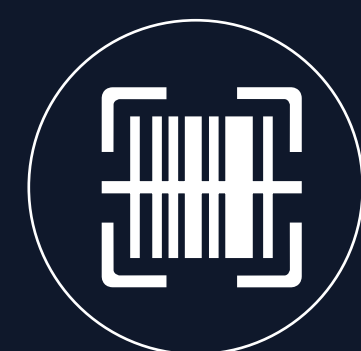|				
12th Gen Intel Processors	Windows 11	10.1-inch screen	700 nits highlighting	Wi-Fi/BT 5.1/4G
16GB RAM 128GB SSD	Dual battery life	Rich interface expansion	Four-choice module bit	IP65 protection level

M10ARugged Mobile PC
Specifications

ONErugged

CPU
12th Generation Intel® Core™
i5-1235U/i7-1255U Processor

System
Windows 11

Memory
RAM 16GB DDR4L
ROM 128GB SSD

Display
Type: LCD
Size: 10.1 inch   16:10
Resolution: 1200*1920
Brightness: 700cd/㎡

Touch Pannel
10 points capacity TP   G+G
Hardness over 7H

Dimension/Weight
289.9*196.7*27.4mm
1140g

Buttons
Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1

Speaker
8Ω/1W
Waterproof Speaker *1

Battery
7.4V/700mAh(Small Battery)
Build in Lithium-ion
polymer battery, Non-removable
7.4V/5000mAh（Big Battery)
Removable Li-polyment Battery

WIFI
Wi-Fi 6
802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
Dual frequency 2.4G+5.8G WIFI

Bluetooth
BT 5.1

WAN
4G

GPS
Support:
GPS, Beidou, glonass

Data Collection
NFC (Optional)

Adapter
DC 19V 3.42A

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing
Electrostatic discharge:
± 8kV contact discharge
± 15kV air discharge

I/O Interface
USB 3.0 *1
Type C *1
∮ 3.5mm *1
TF/SIM *1
 DC *1
HDMI 2.1a mini *1
12PIN Pogo Pin *1
Expansion Module:
RJ45(10/100M) *1/RS232 *1
USB2.0 *1/QR Code Scanner

Rugged Mobile PC
M10J

- 1.Equipped with Intel Celeron quad-core processor N5100 and Windows 11 operating system
- Backplane PC + frame TPU material, built on a toughness shell with four reinforced corners, which is enough to meet the demands of drop impact
- 10.1-inch HD high-definition screen with 1000nits high brightness, supports 10-point capacitive touch
- Screen resolution optional 1200×1920, screen brightness optional 1000nits
- 7.6V/5000mAh removable massive battery offers long-lasting endurance
- Integrated 2.4GHz+5GHz dual-band WiFi, WiFi 6 optional
- Integrated 2G/3G/4G and BT5.0, supported by GPS, GLONASS,and BeiDou
- Optional 2D Barcode and NFC reader
- Standard USB 3.0, Type-C and HDMI 2.0a Mini and an optional expand port (one out of USB 2.0, 100M Ethernet port, and RS232 serial port)
- Endured MIL-STD-810H ruggedness testing and rated IP65
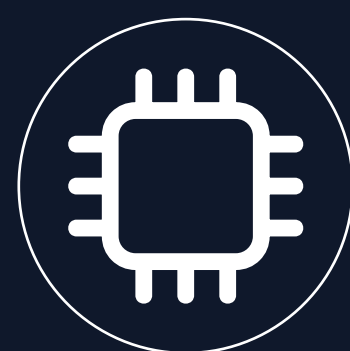
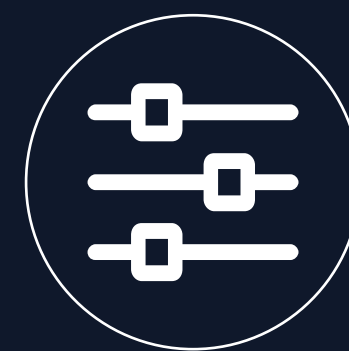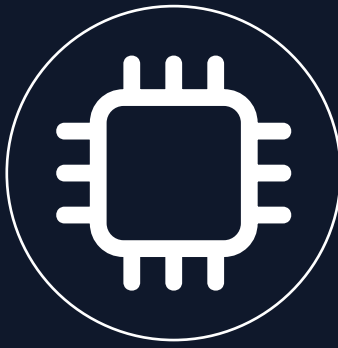| N5100	Windows 11	10.1-inch screen	1000 nits highlighting	Wi-Fi/BT5.0/4G

GPS/GLONASS/BeiDou	Long-lasting battery life	Rich interface expansion	2D barcode scanning engine	IP65 protection level

M10J Rugged Mobile PC
Specifications

ONErugged

CPU
N5100

System
Windows 11

Memory
RAM 8GB LPDDR4x
ROM 128GB EMMC

Display
Type: HD （Optional: FHD)
Size: 10.1 inch
Resolution: 800*1280/1200*1920
Brightness: 700cd/㎡
Optional 1000cd/㎡

Touch Pannel
10 points Capacitive screen, G+G, panda glass hardness above 7H, Optional glove touch

Dimension/Weight
274.9*188.7*22.2mm
1028g

Buttons
Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1

Speaker
8Ω/1W
Waterproof Speaker *2

Battery
Removable Lithium-ion polymer battery
7.6V/5000mAh

WIFI
802.11 a/b/g/n/ac (2.4G+5G)
optional WIFI6

Bluetooth
BT 5.0

WAN
2G/3G/4G

GPS
Optional GPS+GLONASS +Beidou

NFC
Optional

Adapter
DC 19V 3.42A

Certification
IP65

Rugged Features
MIL-STD-810G: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
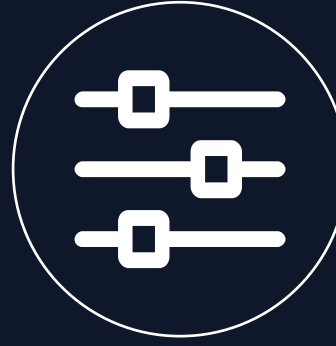Humidity: 95% Non-Condensing

I/O Interface
USB 3.0 *1
Type C *1
∮ 3.5mm *1
TF / SIM *1
DC *1
HDMI 2.0a mini *1 12PIN
Pogo Pin *1 Select one of three USB 2.0 *1 (4pin) RJ45 100M (Standard)
RS232

Rugged Mobile PC
M10T

ONErugged

- Equipped with the latest Android 13 operating system and ARM architecture octa-core processor.

- Backplane PC + frame TPU material, built on a toughness shell with four reinforced corners, which is enough to meet the demands of drop impact

- 10.1-inch HD/FHD high-definition screen with 1000nits high brightness, supports 10-point capacitive touch

- Screen brightness optional 1000nits

- 3.8V/10000mAh removable massive battery offers long-lasting endurance

- Integrated 2.4GHz+5.8GHz dual-band WiFi 6

- Optional 2D Barcode Scan Engine and Standard NFC reader

- Standard USB 2.0, Type-C port

- Endured MIL-STD-810H ruggedness testing and rated IP65

ARM octa-core	Android 13	10.1-inch screen	1000 nits highlighting	WiFi 6/BT5.2/4G

GPS+GLONASS	Super long battery life	Rich interface expansion	2D barcode scanning engine	IP65 protection level

M10T Rugged Mobile PC
Specifications

ONErugged

CPU
ARM octa-core

System
Android 13

Memory
RAM 8GB LPDDR4x
ROM 128GB EMMC

Display
Type: HD/FHD
Size: 10.1 inch
Resolution: 800*1280/
1920x1200
Brightness: 1000cd/㎡

Touch Pannel
10 points tempered glass
Capacitive screen, G+G,
hardness 7H
Optional Gloves touch

Dimension/Weight
274.9*188.7*22.2mm
1020g

Buttons
Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1

Speaker
8Ω/1W
Waterproof Speaker *2

Battery
Removable Lithium-ion
polymer battery
3.8V/10000mAh

WIFI
802.11 a/b/g/n/ac (2.4G+5.8G)
dual-band WIFI6

Bluetooth
Bluetooth BT5.2

WAN
2G/3G/4G

GPS
Support: GPS+Glonass

NFC
Optional NXP300

Adapter
DC 5V 3A

Certification
IP65

Rugged Features
MIL-STD-810H：1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing
Electrostatic discharge:
± 8kV contact discharge
± 15kV air discharge

I/O Interface
USB 2.0 *1
Type C *1
∮ 3.5mm *1
TF / SIM *1
DC *1
12PIN Pogo Pin *1

Rugged Mobile PC
M20A

ONErugged

- Powered by 12th Generation Intel® Core™ i5-1235U/i7-1255U Processor and Windows 11
- Support 16GB RAM + 128GB SSD, the SSD is detachable, easy to expand by simply pulled out and replaced
- 12.2-inch FHD screen with 650 nits high brightness, no fear of outdoor sunlight
- 10-point capacitive touch, support glove touch
- Supports the latest WiFi 6 technology, 4G and Bluetooth 5.1, Optional 5G
- Equipped with a full set of interfaces including full-featured Type-C, USB 3.0, 2.1a Mini HDMI and more
- Choose one of four modules among wired network interface, USB 2.0, RS232 and 2D barcode scan module, choose as you like
- Passed IP65 and multiple stringent MIL-STD-810H military standard tests, industrial-grade safety protection
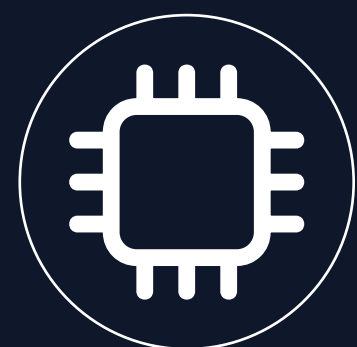
12th Gen Intel Processors	Windows 11	12.2-inch screen	650 nits highlighting	Wi-Fi/BT 5.1/4G
16GB RAM 128GB SSD	Dual battery life	Rich interface expansion	Four-choice module bit	IP65 protection level
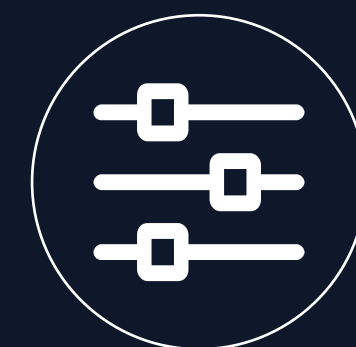
M20ARugged Mobile PC
Specifications

ONErugged

CPU
12th Generation Intel® Core™ i5-1235U/i7-1255U Processor

System
Windows 11

Memory
RAM 16GB DDR4L
ROM 128GB SSD

Display
Type: FHD
Size: 12.2 inch
Resolution: 1200*1920
Brightness: 650cd/㎡
High resolution high brightness screen

Touch Pannel
10 points capacity TP, G+G, Hardness over 7H

Dimension/Weight
339.3*230.3*26 mm
1500g

Buttons
Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1

Speaker
8Ω/1W
Waterproof Speaker *1

Battery
7.4V/700mAh （Small Battery）
Build in Lithium-ion polymer battery, Non-removable
7.4V/6300mAh （Big Battery）
Removable Li-polyment Battery

WIFI
Wi-Fi 6
802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
Dual frequency 2.4G+5.8G WIFI

Bluetooth
BT 5.1

WAN
4G
Optional 5G

GPS
Support:
GPS, Beidou, glonass

NFC
Optional

Adapter
DC 19V 3.42A

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing
Electrostatic discharge:
± 8kV contact discharge
± 15kV air discharge

I/O Interface
USB 3.0 *1
Type C *1
∮3.5mm *1
TF/SIM card *1
DC *1
HDMI 2.1a mini *1
12PIN Pogo Pin *1
Expansion Module:
RJ45(10/100M) *1/RS232 *1
USB2.0 *1/QR Code Scanner

Rugged Mobile PC
M20J

ONErugged

- 12.2-inch large-size full HD high-brightness screen, supporting 10 point capacitive touch
- Equipped with desktop-level N5105 processor and Windows 11 operating system
- Standard 8GB DDR4 high-speed RAM, 128GB M.2 PCIe 3.0 SSD ROM
- USB Type-C, USB 3.0 Type-A, 2.0a Mini HDMI, multiple interfaces for your choice
- Modularization design, choose 1 of 4 optional modules: network port/ serial port/ USB port/ 2D barcode module
- 700mAh small battery + 6300mAh large battery, the total battery capacity is as high as 51.8Wh
- Active quiet fan cooling system, big fan with heat pipe, strong heat dissipation
- Support 802.11a/b/g/n/ac wireless transmission, 4G network, Bluetooth 5.0 and GPS
- Press-type fingerprint recognition, lightly press to unlock, and log in to the operating system in seconds
- Passed multiple rigorous tests based on IP65 and MIL-STD-810H standards
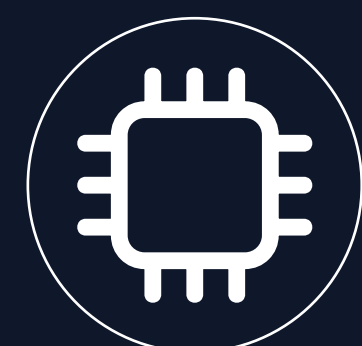
N5105 processor	Windows 11 Pro Operating System	12.2 inch FHD screen	650cd/㎡ Brightness	Dual frequency WiFi
Press-type fingerprint recognition	Two batteries, Long standby	Active quiet fan cooling system	128GB SSD	IP65
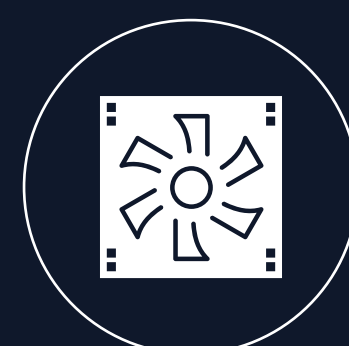
Rugged Mobile PC M20J
Specifications

ONErugged

CPU
N5105 processor

Operating System
Windows 11 IOT
Optional: Windows 11 Pro

Memory
RAM: 8GB DDR
ROM: 128GB SSD removable

Display
Type: FHD
Size: 12.2 inch 16:10
Resolution: 1200*1920
Brightness: 650cd/㎡

Touch Pannel
10 points Capacitive

Dimension/Weight
339.3*230.3*26mm
1500g

Buttons
Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1
(Barcode Scanning)

Speaker
8Ω/0.8W Waterproof Speaker *1

Battery
Build in Lithium-ion polymer battery
7.4V/700mAh (Non-removable)
Removable Li-polyment Battery
7.4V/6300mAh

WIFI
Wi-Fi 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.8G WIFI

Camera
Front 5.0MP
Rear 8.0MP -AF with flashlight

Bluetooth
BT5.0 (BLE)

WAN
4G, Optional 5G

GPS
Support

NFC
Support

Fingerprint
Press-type fingerprint
recognition

I/O Interface
USB3.0 *1
Type C (USB3.0/HDMI/Charging) *1
∮3.5mm Standard earjack *1
HDMI 2.0a mini *1
SIM card *1, TF card *1
DC 19V 3.42A ∮5.5mm jack *1
12PIN Pogo Pin (USB/Docking charging) *1
Expansion Module:
RJ45(10/100M) *1/RS232 *1
USB2.0 *1/QR Code Scanner

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

Adapter
AC100V ~ 240V, 19V 3.42A/65W Output

Rugged notebook
N14T

- Boundary-breaking performance 11th Gen Intel® Core™ processor
- Faster, more efficient and more reliable connectivity by WIFI 6
- 14-inch (16:9) screen for a higher productivity look
- Dual battery design for longer standby
- Multiple extended functionality support for more intimate use
- Professional testing standards for more solid and reliable use.
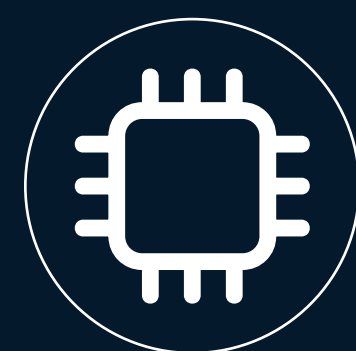
11th Generation Intel Tiger Lake
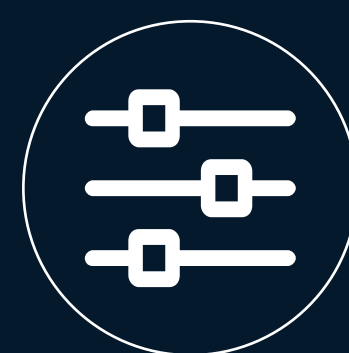
Windows 11/10 Operating System

14-inch screen

1920*1080 Resolution

WiFi 6/BT/5G

Fingerprint

Dual battery design

Rich interface extensions

HDD storage expansion
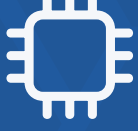
IP65

N14T Rugged notebook

Specifications

ONErugged

CPU
Intel Tiger Lake i5-1135G7 ,
Optional I7-1165G7

Operating System
Window 11 Pro
Optional: Windows 10 Pro

Memory
RAM 16GB
SSD 256GB

Display
Type: FHD
Size: 14 inch 16:9
Resolution: 1920*1080
Brightness: 650cd/㎡, optional 1000cd/㎡

Touch Pannel
Optional, 10 point capacitive screen

Dimension/Weight
363.2*287.4*42.1mm
Weight: NOT MEASURED

Buttons
Power *1
Reset *1
(Pinhole key, One button reset)
P Key *1
(One button off screen or on)

Speaker
8Ω/1W *2

Battery
Build in Lithium-ion polymer battery
7.4V/1750mAh (Built-in)
Removable Lithium-ion polymer battery
7.4V/6300mAh (Hot Swap)

WIFI
WIFI 6
802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax

Bluetooth
BT5.1 (BLE) class 1

WAN
2G/3G/4G/5G

GPS
GPS

NFC
Support

Adapter
AC100V~240V, Output 19V3.42A/65W

Camera
Front 2.0MP

Fingerprint
Built-in, SPI fingerprint
(boot login) *1

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22 meters drop resistance
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

I/O
USB 2.0 *1,USB 3.0 *3
∮ 3.5mm *1
HDMI *1 (type-A)
SD Card *1,SIM Card *1
DC 19V 3.42A Power connector *1
DB9 (RS232) *1
RJ45 *2
5PIN Pogo Pin *1
Anti theft lock hole *1
Heat dissipation air outlet (right) *1
Left docking station, optional custom
adapter PCIE X4 slot or HDD *1

Rugged Notebook
N15T

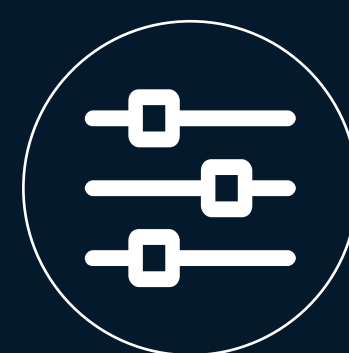- Boundary-breaking performance 11th Gen Intel® Core™ processor
- Faster, more efficient and more reliable connectivity by WIFI 6
- 15.6-inch (16:9) screen for a higher productivity look
- Dual battery design for longer standby
- Multiple extended functionality support for more intimate use
- Professional testing standards for more solid and reliable use
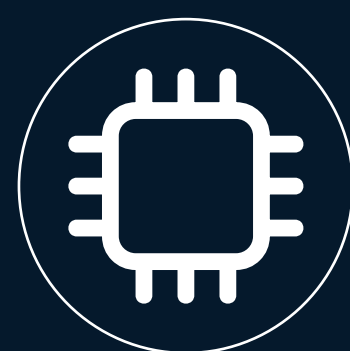
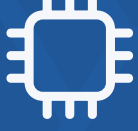|				
11th Generation Intel Tiger Lake	Windows 11/10 Operating System	15.6-inch screen	1920*1080 Resolution	WiFi 6/BT/5G
Fingerprint	Dual battery design	Rich interface extensions	HDD storage expansion	IP65

N15T Rugged Notebook

Specifications

ONErugged

CPU
Intel Tiger Lake i5-1135G7 ,
Optional i7-1165G7

Operating System
Window 11
Optional: Windows 10

Memory
RAM 16GB
SSD 256GB

Display
Type: FHD
Size: 15.6 inch   16:9
Resolution: 1920*1080
Brightness: 700cd/㎡"

Touch Pannel
TPM Built-in, TPM2.0

Dimension/Weight
407*305.8*45.5mm
Weight: 3.3kg

Buttons
Power *1
Reset *1
(Pinhole key, One button reset)
P Key *1
(One button off screen or on)

Speaker
8Ω/1W *2

Battery
Build in Lithium-ion polymer battery
7.4V/1750mAh (Built-in)
Removable Lithium-ion polymer battery
7.4V/6300mAh (Hot Swap)

WIFI
WIFI 6
802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax

Bluetooth
BT5.1 (BLE) class 1

WAN (Optional)
2G/3G/4G/5G

GPS
GPS

NFC
Optional

Adapter
AC100V~240V, Output 19V3.42A/65W

Camera
Front 2.0MP

Fingerprint
Built-in, SPI fingerprint
(boot login) *1

Certification
IP65

Rugged Features
MIL-STD-810H: 1.22 meters drop resistance
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

I/O
USB 2.0 *1,USB 3.0 *3
∮ 3.5mm *1
HDMI *1 (type-A)
SD Card *1,SIM Card *1
DC 19V 3.42A Power connector *1
DB9 (RS232) *1
RJ45 *2
5PIN Pogo Pin *1
Anti theft lock hole *1
Heat dissipation air outlet (right) *1
Left docking station, optional custom
adapter PCIE X4 slot or HDD *1

Vehicle PC
V80J

ONErugged

- Equipped with Quad-core Intel JASPER LAKE N5100 processor and Windows 10 operating system, up to 8GB+128GB high-speed capacity.

- 8-inch screen with 1000-Nits high brightness display, multiple-point touch panel and customized keys , ensuring outdoor worker visibility.

- 4G LTE, dual-band Wi-Fi and Bluetooth 5.0 connectivity. Multi-satellite systems of GPS/Glonass/Beidou, with available vehicle mushroom antenna for real-time tracking to your vehicle and asset management.

- With aviation plug charging interface, switchable for cigarette lighter interface or Φ5.5 power port, and the external 9V-36V DC wide voltage module is optional.

- Supports the battery-free mode, another optional 7.4V/1000mAh capacity battery.

- Available multiple navigation plug interfaces, and also supports USB/DB9/LAN/CAN and other interface extensions.

- Two bracket mounting methods, VESA and RAM are suitable for almost any vehicle-mounted workplaces.

- IP65 dustproof and waterproof, morphed to endure outdoor applications prone with shock, vibration and extreme temperature.

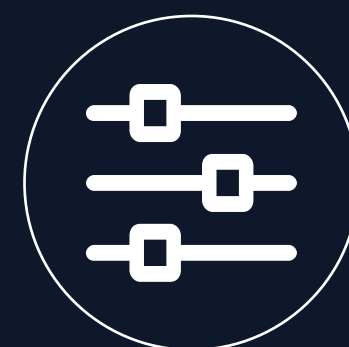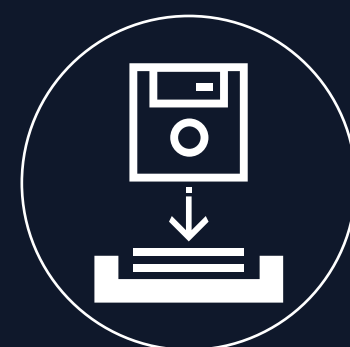| Intel JASPER LAKE N5100	Windows 10 Operating System	8-inch screen	1000cd/cm2	Dual frequency Wi-Fi
GPS/GLONASS/ Huada Beidou	Stable power supply	Rich interface extensions	VESA/RAM	IP65

Vehicle PC V80J
Specifications

ONErugged

CPU
Intel JASPER LAKE N5100

Operating System
Windows 10 Home

Memory
RAM: 8GB LPDDR3
ROM: 128GB EMMC

Display
Type: LCD
Size: 8 inch 16:10
Resolution: 800*1280 IPS
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
218.1*154.5*23.0 mm
620g

Buttons
Power *1
Volume Adjustment Key (+) *1 (F1 Key)
Volume Adjustment Key (-) *1 (F2 Key)
Customizable *1 (F3 Key)
Customizable *1 (F3 Key)

Speaker
1.5W *1, Single horn
(Maximum 2W)

Battery
Optional,
Built in polymer lithium ion battery
1000mAh/7.4V

WIFI
WIFI 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.8G

Bluetooth
BT5.0 (BLE)

WAN (Optional)
4G

GPS
GPS/GLONASS
Optional, Huada Beidou/Ublox M8Q

NFC (Optional)
Optional

I/O Interface
SIM card slot (optional) Nano-SIM *1
Standard USB-A port / Data transmission
Power interface
PORT1 (M12-12) (optional) 1000M network interface
PORT2 (M12-12) (optional) RS232 *1+RS232/RS485 *1
PORT3 (M12-12) (optional) USB 2.0 *2+CAN/CVBS *1e

Certification
IP65

Rugged Features
Working temperature: -20 ℃ to 60 ℃
Storage temperature: -30 ℃ to 70 ℃
±8kV contact discharge,
±15kV air discharge
Humidity: 95% Non-Condensing

Adapter
19V 3.42A Cigarette Lighter Adapter
19V 3.42A DC φ5.5 power adapter

Vehicle PC
V80T

ONErugged

● Equipped with high-performance ARM octa-core processor and Android 12 OS, up to 4GB+64GB capacity.

● 8-inch screen with 700-Nits high definition display, multiple-point touch panel and customized keys , ensuring outdoor worker visibility.

● 4G LTE, dual-band Wi-Fi and Bluetooth 5.2 connectivity. Multi-satellite systems of GPS/Glonass/Beidou, with vehicle mushroom antenna for real-time tracking to your vehicle and asset management.

● With aviation plug charging interface, switchable for cigarette lighter interface or Φ4.0 power port, and the external 9V-36V DC wide voltage module is optional.

● Supports the battery-free mode, another optional 3.7V/2000mAh capacity battery.

● Available multiple navigation plug interfaces, and also supports USB/DB9/LAN/CAN and other interface extensions.

● Two bracket mounting methods, VESA and RAM are suitable for almost any vehicle-mounted workplaces.

● IP65 dustproof and waterproof, morphed to endure outdoor applications prone with shock, vibration and extreme temperature.

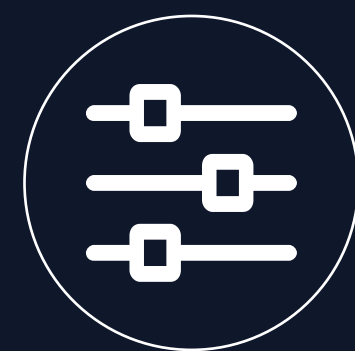|				
ARM octa-core processor	Android 12 Operating System	8-inch screen	1000cd/cm2	Dual frequency Wi-Fi
GPS/GLONASS/ Beidou	Stable power supply	Rich interface extensions	VESA/RAM	IP65

Vehicle PC V80T
Specifications

ONErugged

CPU
ARM octa-core processor

Operating System
Android 12（GMS）

Memory
RAM: 4GB LPDDR4X
ROM: 64GB UFS

Display
Type: LCD
Size: 8 inch   16:10
Resolution: 800*1280 IPS
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
218.1*154.5*23.0mm
TBD

Buttons
Power *1
Volume Adjustment Key (+) *1 (F1 Key)
Volume Adjustment Key (-) *1 (F2 Key)
Customizable *1 (F3 Key)
Customizable *1 (F4 Key)

Speaker
1.5W *1, Single horn
(Maximum 2W)

Battery
Optional,
Built in polymer lithiumion battery
2000mAh/3.7V

WIFI
WIFI 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.0G (5.1G+5.8G)

Bluetooth
BT 5.2

WAN
4G

GPS
GPS/GLONASS/Beidou

NFC
Optional

I/O Interface
SIM card slot (optional) MICRO-SIM x 1
Standard USB-A port / Data transmission
Power interface
PORT1（M12-12）（optional）
100M network port
PORT2（M12-12）（optional）
RS232 *1+RS232/RS485（standard）*1
PORT3（M12-12）（optional）
USB 2.0 *1+USB 2.0（default）/CAN*1+USB
2.0（default）/CVBS*1

Certification
IP65

Rugged Features
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
±8kV contact discharge,
±15kV air discharge
Humidity: 95% Non-Condensing

Adapter
12V 4A DC φ4.0 Adapter

Vehicle PC
V10J

● Equipped with Quad-core Intel JASPER LAKE N5100 processor and running Windows 11 OS, up to 8GB+128GB high-speed capacity.

● 10.1-inch screen, 1000cd/m² high brightness display, multiple-point touch panel and customized keys , ensuring outdoor worker visibility.

● 4G LTE, dual-band Wi-Fi and Bluetooth 5.0 connectivity. Multi-satellite systems of GPS/Glonass/Beidou, with available vehicle mushroom antenna for real-time tracking to your vehicle and asset management.

● With aviation plug charging interface, switchable for cigarette lighter interface or Φ5.5 power port, and the external 9V-36V DC wide voltage module is optional.

● Supports the battery-free mode, another optional 7.4V/1000mAh capacity battery.

● Available multiple navigation plug interfaces, and also supports USB/DB9/LAN/CAN and other interface extensions.

● Two bracket mounting methods, VESA and RAM are suitable for almost any vehicle-mounted workplaces.

● IP65 dustproof and waterproof, morphed to endure outdoor applications prone with shock, vibration and extreme temperature.

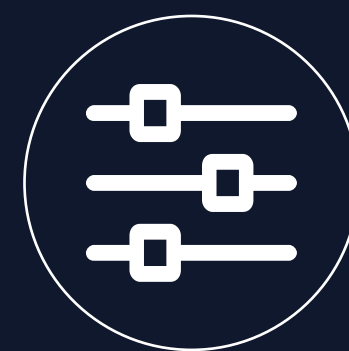|				
Intel JASPER LAKE N5100	Windows 11/ Operating System	10.1-inch screen	1000cd/cm2	Wi-Fi/BT/4G
GPS/GLONASS/ Huada Beidou	Stable power supply	Rich interface extensions	VESA/RAM	IP65

Vehicle PC V10J
Specifications

ONErugged

CPU
Intel JASPER LAKE N5100

Operating System
Windows 11 Home
Optional: Windows 11 PRO

Memory
RAM: 8GB LPDDR3
ROM: 128GB EMMC

Display
Type: HD
Size: 10.1 inch 16:10
Resolution: 800*1280 IPS
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
264.5*184.1*23.0 mm
834g

Buttons
Power *1
Volume Adjustment Key (+) *1 (F1 Key)
Volume Adjustment Key (-) *1 (F2 Key)
Customizable *1 (F3 Key)
Customizable *1 (F3 Key)

Speaker
1.5W *1, Single horn
(Maximum 2W)

Battery
Optional,
Built in polymer lithium ion battery
1000mAh/7.4V

WIFI
WIFI 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.8G

Bluetooth
BT5.0 (BLE)

WAN（Optional)
4G

GPS
GPS, GLONASS
Optional, Huada Beidou

NFC
Optional

I/O Interface
SIM card slot (optional)
Nano-SIM *1,
Standard USB-A port / Data transmission,
Power interface
PORT1 (M12-12) (optional) 1000M network interface,
PORT2 (M12-12) (optional) RS232 *1+RS232/RS485 *1
PORT3 (M12-12) (optional) USB 2.0 *2+CAN/CVBS *1

Certification
IP65

Rugged Features
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
±8kV contact discharge
±15kV air discharge
Humidity: 95% Non-Condensing

Adapter
19V 3.42A Cigarette Lighter Adapter
19V 3.42A DC φ5.5 power adapter

Vehicle PC
V10T

ONErugged

- Equipped with ARM octa-core processor and Android 12 operating system, up to 4GB+64GB high-speed capacity.

- 10.1-inch screen with 1000-Nits high brightness display, multiple-point touch panel and customized keys , ensuring outdoor worker visibility.

- 4G LTE, dual-band Wi-Fi and Bluetooth 5.2 connectivity. Multi-satellite systems of GPS/Glonass/Beidou, with vehicle mushroom antenna for real-time tracking to your vehicle and asset management.

- With aviation plug charging interface, switchable for cigarette lighter interface or Φ4.0 power port, and the external 9V-36V DC wide voltage module is optional.

- Supports the battery-free mode, another optional 3.7V/2000mAh capacity battery.

- Available multiple navigation plug interfaces, and also supports USB/DB9/LAN/CAN and other interface extensions.

- Two bracket mounting methods, VESA and RAM are suitable for almost any vehicle-mounted workplaces.

- IP65 dustproof and waterproof, morphed to endure outdoor applications prone with shock, vibration and extreme temperature.

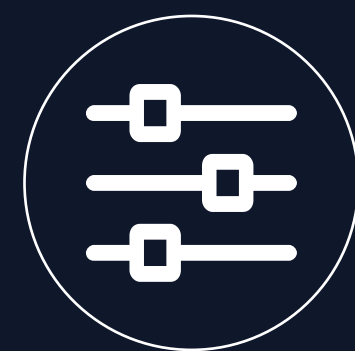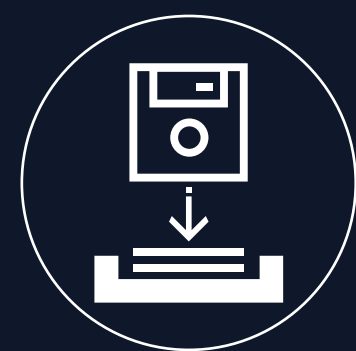| ARM octa-core processor	Android 12 Operating System	10.1-inch screen	1000cd/cm2	Dual frequency Wi-Fi
GPS/GLONASS/ Beidou	Stable power supply	Rich interface extensions	VESA/RAM	IP65

Vehicle PC V10T
Specifications

ONErugged

CPU
ARM octa-core processor

Operating System
Android 12（GMS）

Memory
RAM: 4GB LPDDR4X
ROM: 64GB UFS

Display
Type: HD
Size: 10.1 inch 16:10
Resolution: 800*1280 IPS
Brightness: 1000cd/㎡

Touch Pannel
5 points Capacitive

Dimension/Weight
264.5*184.1*23.0mm
TBD（Battery not included）

Buttons
Power *1
Volume Adjustment Key (+) *1 (F1 Key)
Volume Adjustment Key (-) *1 (F2 Key)
Customizable *1 (F3 Key)
Customizable *1 (F4 Key)

Speaker
1.5W *1, Single horn
(Maximum 2W)

Battery
Optional,
Built in polymer lithiumion battery
2000mAh/3.7V

WIFI
WIFI 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.0G (5.1G+5.8G)

Bluetooth
BT 5.2

WAN
4G

GPS
GPS/GLONASS/Beidou

NFC
Optional

I/O Interface
SIM card slot (optional) MICRO-SIM x 1
Standard USB-A port / Data transmission
Power interface
PORT1（M12-12） (optional) 100M
network port
PORT2（M12-12） (optional) RS232 *1
+RS232/RS485（standard） *1
PORT3（M12-12） (optional) USB 2.0 *1
+USB 2.0（default） /CAN*1+USB
2.0（default） /CVBS*1

Certification
IP65

Rugged Features
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
±8kV contact discharge,
±15kV air discharge
Humidity: 95% Non-Condensing

Adapter
12V 4A DC φ4.0 Adapter

Panel PC
P10J

- Full 10.1-inch HD display, the IP65-rated front panel protects against water and dust ingress

- Powered by an 11th generation Intel Celeron processor, equipped with Windows 11 operating system

- Excellent environmental adaptability, anti-electromagnetic interference and anti-static capabilities

- Fanless design, using large-area uniform heating fin, running 24/7 without affecting reliability and service life

- Rich interfaces, including multiple USB/LAN/HDMI and other I/O ports, easily meet various scenario requirements

- Dual-band Wi-Fi, Bluetooth 4.2, and expandable 4G (M.2 interface), multiple network connection modes

- Wide voltage and temperature design, can operate normally even under external voltage fluctuations or in extremely hot or cold conditions

- Standard PPC mounting hook component, easy to install and supports various installation methods such as embedded and wall-mounted
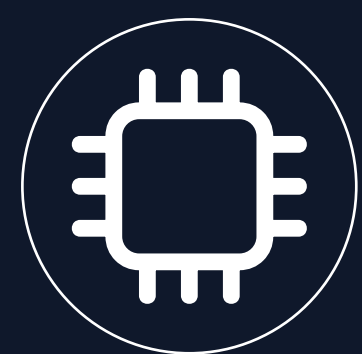
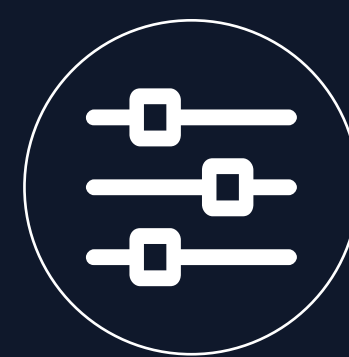|				
N5100 Processor	Windows 11 Operating System	10.1 inch screen	700cd/㎡ Brightness	800*1280 Screen resolution
Dual-band WiFi	Running 24/7 without affecting reliability	Rich interface extensions	storage expansion	IP65

Panel PC P10J
Specifications

ONErugged

CPU
N5100 Processor

Operating System
Windows 11 Home
Optional: Windows 11 pro

Memory
RAM: 8GB
ROM: 128GB
(M.2 interface，SATA III signal)

Display
Type: LCD
Size: 10.1 inch   16 :10
Resolution: 800×1280
Brightness:700 cd/㎡

Touch Pannel
10 PCAP, G+G

Dimension/Weight
257.2*170*45.95mm
1.2kg

Buttons
Power (with indicator) *1

Speaker
Optional: Built in 4 Ω/2W,
one for two

WIFI
WiFi chip intel 9461
Frequency band: WIFI 802.11 (a/b/g/n/ac)
2.4G+5.8G dual frequency WIFI

Bluetooth
BT4.2 (BLE)

WAN (Optional)
2G/3G/4G

I/O Interface
Standard SIM card *1
Standard USB-A
USB3.0*2 USB2.0*2
DC 12V Power connector *1
∮3.5mm Standard Earphone Jack *1
RJ45 *2, 10M/100M/1000M adaptive
HDMI 2.0a Mini *1
RS232 *2
Optional:
Extensive Slot SATA/Phoenix Terminal/TPM

Certification
Front panel IP65

Rugged Features
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

Adapter
Input: 100~240V AC 50/60Hz
Output: 12VDC4.0A

Panel PC
P15 J

- Full 15.6-inch FHD display, the IP65-rated front panel protects against water and dust ingress.

- Powered by an 11th generation Intel Celeron processor, equipped with Windows 11 operating system

- Excellent environmental adaptability, anti-electromagnetic interference and anti-static capabilities

- Fanless design, using large-area uniform heating fin, running 24/7 without affecting reliability and service life

- Rich interfaces, including multiple USB/LAN/D89/HDMI and other I/O ports, can easily meet various scenario requirements

- Dual-band Wi-Fi, Bluetooth 5.0, and expandable 4G (M.2 interface), multiple network connection modes

- Wide voltage and temperature design, can operate normally even under external voltage fluctuations or in extremely hot or cold conditions

- Standard PPC mounting hook component, easy to install and supports various installation methods such as embedded and wall-mounted
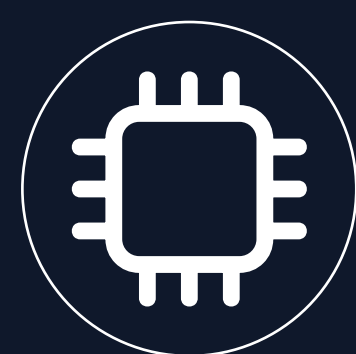
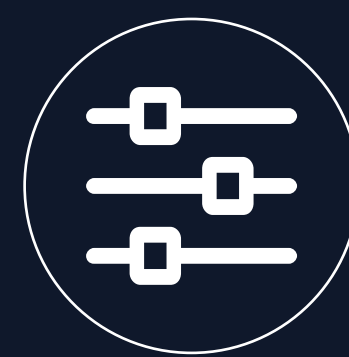|				
N5100 Processor	Windows 11 Operating System	15.6 inch screen	220cd/㎡ Brightness	1920*1080 Screen resolution
Dual-band WiFi	Running 24/7 without affecting reliability	Rich interface extensions	storage expansion	IP65

Panel PC P15J
Specifications

ONErugged

CPU
N5100 Processor

Operating System
Windows 11 IOT
Optional: Windows 11 Pro

Memory
RAM: 8GB onboard
ROM: 128GB

Display
Type: LCD
Size: 15.6 inch 16 :9
Resolution: 1920x1080
Brightness: 220 cd/㎡

Touch Pannel
10 PCAP, G+G

Dimension/Weight
388.63 x 248.43 x 54.95 mm
2.4kg

WIFI
WIFI 802.11(ac) 2.4G+5G

Bluetooth
BT5.0

I/O Interface
Standard USB-A
USB3.0*2 USB2.0*2
Power interface
DC 12V Power connector *1
ƒ3.5mm Standard Earphone Jack *1
RJ45 *2 (10M/100M/1000M adaptive)
DB9 PORT RS232 *2
HDMI 2.0a Mini *1
M2 *1

Certification
Front panel IP65

Rugged Features
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing

Adapter
AC100V ~ 240V、50Hz/60Hz
output DC 12V/4A