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SOLUTIONS

ONERugged

MORE STABLE
AND MORE EFFICIENT
Shenzhen Stock Exchange number: 001314

Meet the ONERugged

亿道集团
Emdoor Group

CONTENTS



- Part One
1. COMPANY OVERVIEW
- Part OneTwo
2. PRODUCT & SCENARIOS
- Part Three
3. ADVANTAGES
- Part Four
4. SUCCESSFUL STORIES





1 Part One COMPANY OVERVIEW

EMDOOR GROUP

YOUR PLATFORM FOR NEW TECHNOLOGY AND INDUSTRIAL APPLICATIONS

EMDOOR INFORMATION

MORE STABLE AND MORE EFFICIENT

ONERUGGED

YOUR ONE-STOP RUGGED COMPUTING SOLUTION PROVIDER

EMDOOR GROUP

A global leading high-tech enterprise specializing in technology, application, and industrialization.

Subsidiaries established

17+

throughout the country

Our business covers

80+

countries & regions

R&D team

40%+

members

Industrial customers

1600+

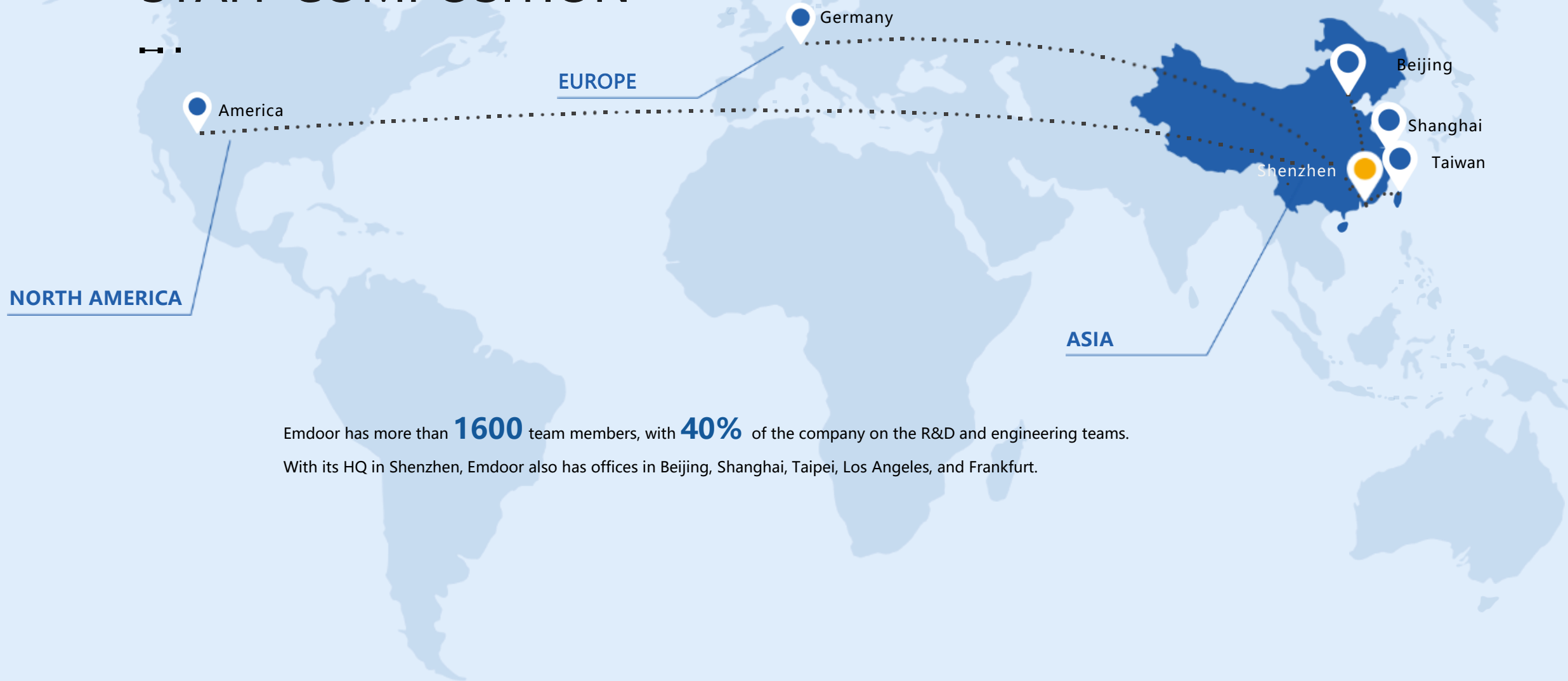
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EMDOOR GROUP

Established in 2002, Emdoor has grown to become a leading player in software, mobile technology, industrial terminals, as well as IOT solutions. Emdoor is committed to providing competitive and reliable products, services, and solutions for many industries such as office, education, business, smart home, energy and power, automobile industry, transportation, and edge computing.



STAFF COMPOSITION



Emdoor has more than **1600** team members, with **40%** of the company on the R&D and engineering teams.

With its HQ in Shenzhen, Emdoor also has offices in Beijing, Shanghai, Taipei, Los Angeles, and Frankfurt.

EMDOOR INFORMATION

stock code: 001314

Industrial mobile devices provider

Employees

300+

R&D team

40%+

Workers in factory

100+



证券简称: 亿道信息
证券代码: 001314

深圳市亿道信息股份有限公司 首次公开发行A股上市仪式

保荐机构（主承销商）： 国泰君安证券股份有限公司

OUR HISTORY



2008

Emdoor Information was born in Shenzhen.

2012

Emdoor Information started focusing on customized industry computer business.

2014

Emdoor Information officially entered the field of rugged tablets.

2015

Emdoor Information successfully launched the 1st Intel Windows 10.1-inch rugged tablet.

2016

Emdoor won the Microsoft Best ODM Partner Award, and became Google's official ODM partner.

2019

Emdoor Information achieved full coverage of rugged products from 4-inch to 15.6-inch sizes.

2021

Emdoor Information successfully launched a series of high-performance rugged products based on Qualcomm Snapdragon and Intel i5/i7 platforms.

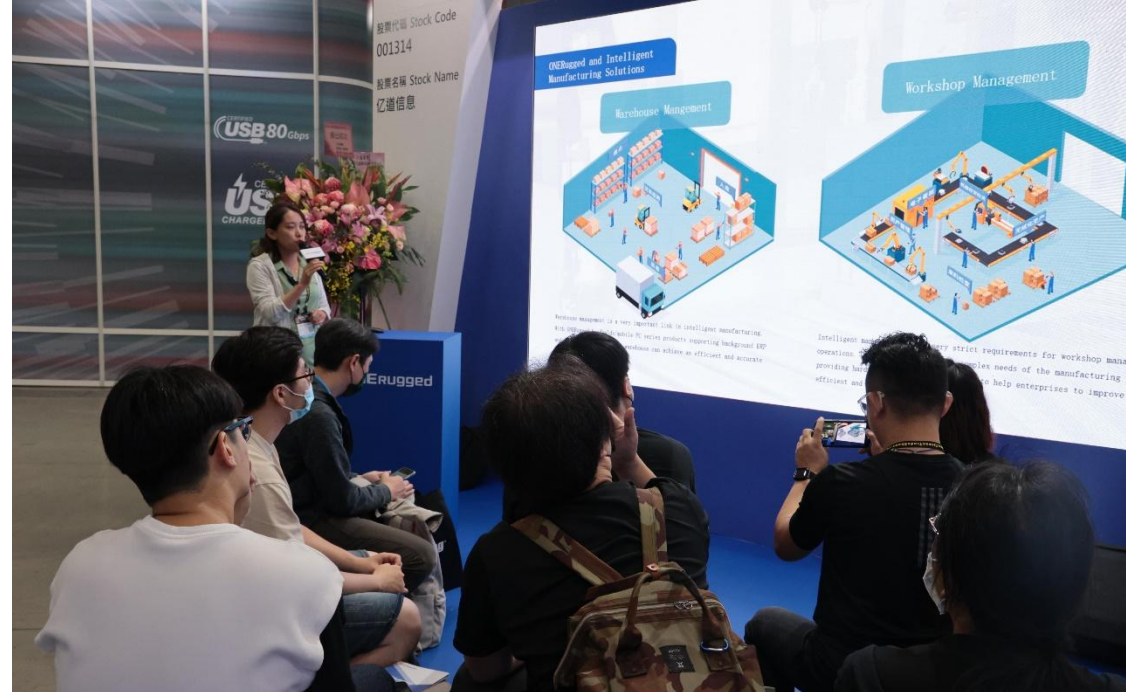
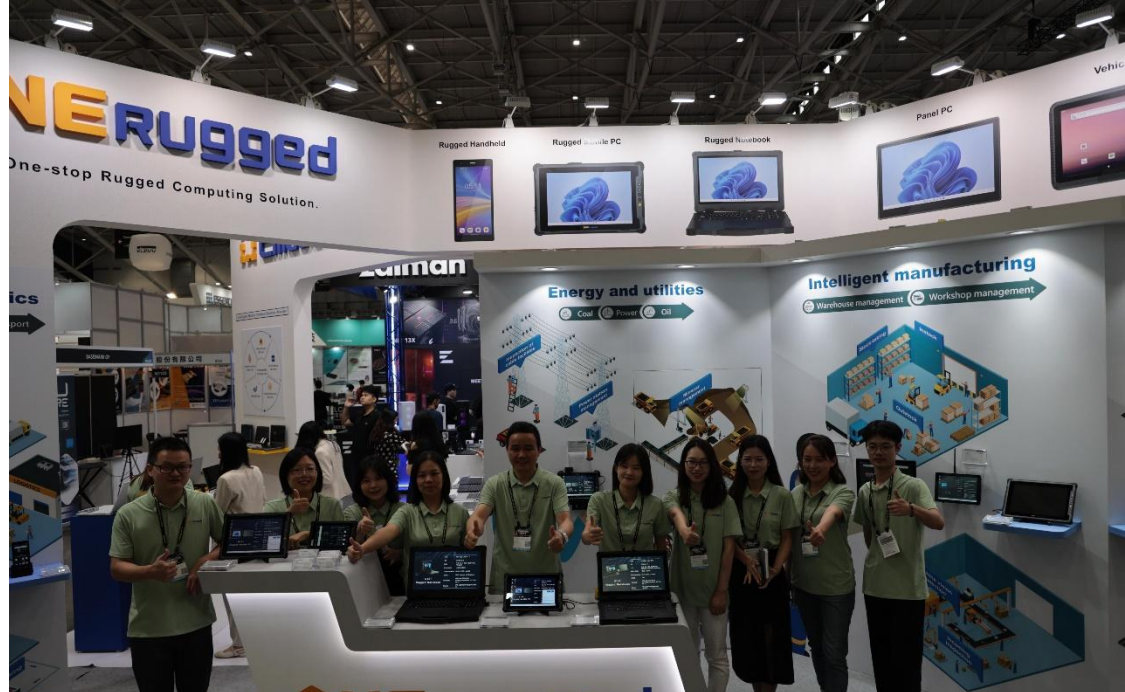
2022

Emdoor Information Pingshan Production Base officially opens, doubling the company's production capacity and space, providing a high-quality, lean, and sustainable production as well.

2023

Emdoor shares begin trading on the Shenzhen Stock Exchange (stock number: 001314). Emdoor also debuts its own brand "ONERugged".





BRAND POSITIONING



Industries and professionals who require durable, reliable, and high-performance devices in challenging environments



High performance,
High reliability
High service level
High cost performance



Manufacturer of full range of industrial mobile devices



2 Part Two PRODUCTS & SCENARIOS

Rugged Handheld, Rugged Tablet, Rugged Notebook, Industrial PC

Product line

PDA



H68T

RUGGED TABLET



M80J



M80T



M10J



M10T



M10A



M20A



M20J

RUGGED LAPTOP



N14T
N14A
N15A



N15T
N15A
N15M

VEHICLE MOUNTED TABLET



V80J



V10J



V80T



V10T

PANEL PC



P10J



P15J



P10R



P15R

01



Rugged Handheld



Rugged Handheld-H68T



H68T Rugged Handheld (GMS)

- ARM Architecture octa-core processor
- Front 32MP+Rear 48MP cameras +8MP Wide-angle
- IP68, 1.5-meter drop resistant



CPU:
ARM octa-core processor



Operating System:
Android 14 (GMS Supported)



Memory:
RAM: 8GB LPDDR4X
ROM: 128GB
(Optional 8+256GB for batch order)



Display:
Type:TFT
Dimension: 6.56" 20:9
Resolution: 720*1612
Brightness: 670cd/cm²



Dimension/Weight:
170.2*80.7*14mm
311g



Battery:
Internal polymer lithium ion battery 3.85V/5800mAh
About 17h24min (Default 70dB volume; Default 300nits screen brightness; Playing 1080P HD video)



Network:
4G/ dual-band WIFI/ BT5.1



GPS:
GPS/GLONASS/Beidou/ Galileo



Data Collection:
NFC
2D
Fingerprint



Features:
IP68
1.5m drop resistant
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface:
Type C *1
(Charging/Data/Earphone/R everse Charging 6W)
2 of 3 card slot (Micro Sim+TF or Micro Sim+Nano Sim)
Pogo Pin (Charging) *1



Cameras:
Front 32MP, Fixed Focus
Rear Main Camera 48MP, Autofocus, Supports PDAF
Rear Secondary Camera 8MP Wide-angle

Accessories of Rugged Handheld



Hand-strap



Lanyard



3 in 1 Adapter



Docking Charger



Hand Holder



TP Resist film

02



Rugged Mobile PC



Rugged Mobile PC M80J/M80T



M80J/M80T

Rugged Mobile PC

- ARM/X86 architecture CPU
- Back panel PC + frame TPU material
- 8" HD and HB display screen



CPU
N5100 processor (M80J)
ARM octa-core processor (M80T)



Operating System
Windows 10 (M80J)
Android 14 GMS (M80T)



Memory
RAM: 8GB
ROM: 128GB



Display
Type: FHD
Dimension: 8-inch 16:10
Resolution: 1200*1920
Brightness: 550cd/m² (M80J & M80T)



Dimension /Weight
236.7*155.7*20.8mm
818g (M80J)
820g (M80T)



Battery
Detachable Li-polymant Battery
7.6V/5000mAh (M80J)
3.8V/10000mAh (M80T)



Network:
4G/ dual-band WiFi/
BT5.0 (M80J)
BT5.1 (M80T)



GPS
GPS/ Glonass/ Beidou



NFC:
M80J: Optional
M80T: Support



Rugged Features
IP65, MIL-STD-810H
1.22m Composite wood floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface
TF *1/SIM *1 (M80J)
Micro SD card slot*1/Nano-SIM card *2 Two out of three booth (M80T)
USB 3.0 *1 (Type A) (M80J)
USB 2.0*1 (M80T)
Type-C*1
3.5mm Standard earjack*1
HDMI 2.0a mini*1 (M80J)
Pogo Pin*1
DC jack *1



2D Barcode Scanner
optional


Rugged Mobile PC M10A



M10A

Rugged Mobile PC

- i5-1235U/i7-1255U processor
- 10.1" HD and HB display screen
- Full set of functional interfaces


 **CPU:**
12nd generation Intel
i5-1235U/i7-1255U
processor

 **Operating System:**
Windows 11

 **Memory:**
RAM 16GB DDR4L
ROM 128GB SSD


 **Display:**
Type: LCD
Dimension: 10.1-inch
Resolution: 1200*1920
Brightness: 700cd/m²

 **Dimension/Weight:**
292.1*192.1*23.8mm
1290g


 **Battery:**
Built-in Battery
7.4V/860mAh(Small Battery)
7.4V/5000mAh(Big Battery)


 **Network:**
4G /WiFi 6 /BT5.1

 **GPS:**
Support GPS
Optional:GPS/Beidou/glonass

 **Data Collection:**
NFC: Optional
Fingerprint: Support

 **Rugged Features:**
IP65,MIL-STD-810H
1.22m Composite wood floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C

 **I/O Interface:**
USB 3.1 *1
Type C *1
ϕ3.5mm *1
TF/SIM card *1
DC 19V 3.42A 5.5mm jack*1
HDMI 2.1a mini *1
12PIN Pogo Pin *1

 **One of four modules:**
RJ45 standard/DB9 board
USB2.0 /QR Code Scanner

Rugged Mobile PC M10J/M10T




10.1"


M10J/M10T

Rugged Mobile PC


- ARM/X86 architecture CPU
- 10.1" HD and high brightness display screen
- High-capacity detachable battery

 **CPU:**
N5100
processor(M10J)
ARM octa-core
processor(M10T)


 **Operating System:**
Windows 11 (M10J)
Android 14 GMS
(M10T)

 **Memory:**
RAM 8GB LPDDR4x
ROM 128GB EMMC


 **Display:**
Type: FHD (optional HD)
Dimension: 10.1-inch
Resolution: 1200*1920 (M10J)
optional 800*1280
Brightness: 1000cd/m²
(M10J optional: 700cd/m²)

 **Dimension/
Weight:**
274.9*188.7*22.2mm
1140g(M10J)
1020g(M10T)

 **Battery:**
Detachable Li-polymant
Battery
7.6V/5000mAh(M10J)
3.8V 10000mAh(M10T)


 **Network:**
4G /WiFi 6 /BT5.0 (M10J)
4G /dual-band WiFi /BT5.1
(M10T)

 **GPS:**
GPS+GLONASS+Beidou

 **Data Collection:**
NFC: Optional for M10J;
Standard for M10T
2D: Optional

 **Rugged Features:**
IP65,MIL-STD-810H
1.22m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C

 **I/O Interface(M10J):**
USB 3.0 *1, Type C *1
3.5mm Standard earjack*1
TF *1, SIM card *1
DC 12V 4A jack*1
HDMI 2.0a mini *1
12PIN Pogo Pin *1
Choose 1 from 3:
USB 2.0 *1
RJ45 (standard)
RS232 serial port

 **I/O Interface(M10T):**
USB 2.0 *1
Type C *1
3.5mm Standard earjack*1
TF *1
SIM card*1
DC support 5V/3A charging *1
12PIN Pogo Pin *1
HDMI *1
RJ45 100 Mbit/s network port
*1

Rugged Mobile PC M20A/M20J



M20A/M20J

Rugged Mobile PC

- Core i5/i7 processor
- 10.1" HD and high brightness display screen
- Large and small batteries are hot-swappable



CPU:

12nd generation Intel
i5-1235U/i7-1255U
processor (M20A)
JASPER LAKE N5105
processor (M20J)



Operating

System:
Windows 11



Memory:

RAM 16/8GB DDR4L
ROM 128GB SSD



Display:

Type: FHD
Dimension: 12.2-inch
Resolution: 1200*1920
Brightness: 650cd/m²



**Dimension/
Weight:**

340.15*231.23*26.19mm
1500g



Battery:

Built-in Battery
7.4V/860mAh (Small Battery)
Removable polymer lithium-
ion battery, hot-swappable
7.4V/6300mAh (Big Battery)



Network:

5G (optional)/WiFi 6
/BT5.1(M20A)
5G (optional)/dual-
band WiFi
/BT5.0(M20J)



GPS:

Support GPS/Beidou/
Glonass(M20A)
Support GPS(M20J)



**Data
Collection:**

NFC: Optional
Fingerprint: Support



Rugged Features

IP65, MIL-STD-810H
1.22m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface(M20A):

USB 3.1 *1
Type C *1
3.5mm earjack*1
TF/SIM card *1
DC 19V3.42A 5.5mm
jack*1
HDMI 2.1a mini *1
12PIN Pogo Pin *1
Choose 1 from 4
RJ45 (standard)/ DB9
USB2.0/ QR Code Scanner



I/O Interface(M20J):

USB3.0 *1
Type C *1
3.5mm Standard earjack*1
HDMI 2.1a mini *1
SIM card *1 / TF card *1
DC 19V3.42A 5.5mm jack*1
12PIN Pogo Pin*1
Choose 1 from 4
RJ45 (standard)*1/RS232*1
USB2.0 *1/QR Code Scanner

Rugged Mobile PC M14A/M14M



14"

M14A/M14M

Rugged Mobile PC

- Core i5/i7 processor
- 14" FHD and high brightness display screen
- Large and small batteries are hot-swappable



CPU:

12nd generation Intel i5-1235U/i7-1255U processor (M14A)

Intel® Core™ Ultra 5-125H/Ultra 7-155H(M14M)



Operating System:

Windows 11



Memory:

RAM 16/32GB DDR5 optional
ROM 256GB SSD



Display:

Type: FHD
Dimension: 14-inch
Resolution: 1200*1920
Brightness: 1000cd/m²



Weight:

366.2mmx246.9mmx24.8mm
mTBD



Battery:

Built-in Battery
11.1V/1300mAh (Small Battery)
Removable polymer lithium-ion battery, hot-swappable
11.55V/4850mAh (Big Battery)



Network:

5G (optional)/WiFi 6 /BT5.1
5G (optional)/dual-band



GPS

Single GPS or single Glonass, default GPS



Data Collection:

NFC: Optional
2D: Optional
Fingerprint: Support



Rugged Features

IP65, MIL-STD-810H
1.22m Composite wood floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface(M20A):

USB 3.2 *1 , USB2.0 *2
TYPE-C, Supports Thunderbolt 4
3.5mm earjack*1
TF/SIM card *1
DC19V/3.78A 5.5mm jack
HDMI 2.0a mini *1
12PIN Pogo Pin *1
RJ45 *2, DB9 *1

Outdoor tablet T1/T1 MAX



T1

Color:   



- 8.68", 800*1340, 350 nits
- MT8781V Octa Core
- Android 14 / GMS
- 8G+128G (LPDDR4x+UFS2.2)
- Optional 6+128GB / 8+256GB

- 32MP + 48M AF PDAF
- 4.35V / 8000mAh Battery
- 33W Fast Charging
- Dual Band WiFi/BT5.1 / 2G / 3G / 4G

- IP68, MIL-STD-810H
- NFC; GPS / Beidou / Galileo / GLONASS
- Reverse charging, OTG

T1 Max

Color:   



- 10.95" , 1200*1920, 450 nits
- MT8781V Octa Core
- Android 14 / GMS
- 8G+128G (LPDDR4x+UFS2.2)
- Optional 6+128GB / 8+256GB

- 32MP + 48M AF PDAF
- 4.35V / 10000mAh Battery
- 33W Fast Charging
- Dual Band WiFi / BT5.1 / 2G / 3G / 4G

- IP68, MIL-STD-810H
- NFC; GPS / Beidou / Galileo / GLONASS
- Reverse charging, OTG

Accessories of Rugged Mobile PC



Adapter



Leather
Cover



Rotational cover



Leather keyboard



Detachable Battery



Stylus



Carry handle



Hand-strap



Car Charge



Docking Charger



Vehicle mount



Quad charging

03



Rugged Notebook



Rugged Notebook N14T




 **CPU**
Intel i5-1135G7
processor i7-
1165G7 processor
(optional)

 **Operating System**
Window 11/10

 **Memory**
RAM:16GB(Optional
:32GB)
SSD:256GB(Optional
: 512GB/1TB)

 **Display**
Dimension: 14-inch, 16:9
Resolution: 1920*1080
Brightness: 700cd/m²
Optional: 1000cd/m²


 **Dimension/
Weight**
363.2*287.4*42.1mm
2.85kg


 **Battery**
Dual-battery, the large one
is hot-swappable
7.4V/1750mAh (small
battery)
7.4V/6300mAh (large
battery)


 **Network**
5G /WiFi 6 /BT5.1

 **GPS**
GPS

 **Camera**
Front 2.0MP

 **Data Collection**
NFC: Optional
Fingerprint: Built-in,
×1 SPI
fingerprint(boot
login)

 **Rugged Features**
IP65,MIL-STD-810H
1.22m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C

 **I/O Interface**
USB 2.0 *1,USB 3.0 *3
3.5mm Standard
earjack*1
HDMI *1
SD卡 *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

N14T Rugged Notebook

- Core i5/i7 processor
- 14" HD and high brightness display screen
- Optional 5G communication

Rugged Notebook N14A

14"



N14A Rugged Notebook

- Intel I5 125H/I7 155H processor
- Hot-swappable dual-battery
- Rich interface, US keyboard with backlight



CPU
Intel i5-1235U/i7-1255U Processor



Operating System
Window 11/10



Memory
RAM:16GB(Optional :32GB DDR5)
SSD:256GB



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



Dimension/Weight
363.2*287.4*42.1mm



Battery
Dual-battery, the large one is hot-swappable
1300mah/11.1V (14.4WH) (small battery)
4850mah/11.55V (56WH) (large battery)



Network
4G/ 5G /WiFi 6 /BT5.1



GPS
Single GPS or single Glonass, default GPS



Camera
Front 5.0MP



Data Collection
NFC: Optional
Fingerprint: Built-in, ×1 SPI fingerprint(boot login)



Rugged Features
IP65,MIL-STD-810H
1.2m Composite wood floor working
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C



I/O Interface
USB3.2 *1, USB3.0 *1, USB2.0 *1, Thunderbolt 4 Type-C port, φ3.5mm Standard Earphone Jack *1, HDMI 2.0a mini x1, SIM *1, TF *1, RJ45 *2, RS232 *1, Power port *1, 12PIN Pogo Pin (USB & charging) *1, Anti-theft Lock Slot *1, Right-side Cooling Vent *1, Left-side expansion slot

Rugged Notebook N14M



14"



CPU
Intel® Core™ Ultra
5-125H/Ultra 7-155H



Operating System
Window 11/10



Memory
RAM:16GB(Optional
:32GB DDR5)
SSD:256GB



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



**Dimension/
Weight**
363.2*287.4*42.1mm



Battery
Dual-battery, the large one is
hot-swappable
1300mah/11.1V (14.4WH)
(small battery)
4850mah/11.55V (56WH)
(large battery)



Network
4G/ 5G /WiFi 6 /BT5.1



GPS
Single GPS or single Glonass,
default GPS



Camera
Front 5.0MP



Data Collection
NFC: Optional
Fingerprint: Built-in,
×1 SPI fingerprint(boot
login)



Rugged Features
IP65,MIL-STD-810H
1.2m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface
USB3.2 *1, USB3.0 *1,
USB2.0 *1, Thunderbolt 4
Type-C port, ø3.5mm
Standard Earphone Jack
*1, HDMI 2.0a mini x1, SIM
*1, TF *1, RJ45 *2, RS232 *1,
Power port *1, 12PIN Pogo
Pin (USB & charging) *1,
Anti-theft Lock Slot *1,
Right-side Cooling Vent
*1, Left-side expansion slot

N14M Rugged Notebook

- Intel® Core™ Ultra 5-125H/Ultra 7-155H processor
- Hot-swappable dual-battery
- Rich interface, US keyboard with backlight

Rugged Notebook N15T



CPU
Intel i5-1135G7
processor i7-1165G7
processor (optional
)



**Operating
System**
Window 11/10



Memory
RAM:16GB(Optional
:32GB)
SSD:256GB(Optional
: 512GB/1TB)



Display
Dimension: 15.6-inch 16:9
Resolution: 1920*1080
Brightness: 700cd/m²



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



Battery
Dual-battery, the large one is
hot-swappable
7.4V/1750mAh (small battery)
7.4V/6300mAh (large battery)



Network
5G /WiFi 6 /BT5.1



GPS
GPS



Camera
Front 2.0MP



Data Collection
NFC: Optional
Fingerprint: Built-in,
×1 SPI fingerprint(boot
login)



Rugged Features
IP65,MIL-STD-810H
1.22m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface
USB 2.0 *1,USB 3.0 *3
3.5mm Standard earjack*1
HDMI *1, SD *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

N15T Rugged Notebook

- Core i5/i7 processor
- Hot-swappable dual-battery
- Full-size and full-function keyboard

Rugged Notebook N15A

15.6"



CPU
Intel® Core™ Ultra 5
125H/Ultra 7 155H



Operating System
Window 11/10



Memory
RAM:16GB(Optional
:32GB DDR5)
SSD:256GB



Display
Type: FHD
Size: 15.6-inch 16:9
Resolution: 1920*1080
Brightness: 1000cd/m²



**Dimension/
Weight**
407*305.8*45.5mm



Battery
Dual-battery, the large one is
hot-swappable
1300mah/11.1V (14.4WH)
(small battery)
4850mah/11.55V (56WH)
(large battery)



Network
4G/ 5G /WiFi 6 /BT5.1



GPS
Single GPS or single Glonass,
default GPS



Camera
Front 5.0MP



Data Collection
NFC: Optional
Fingerprint: Built-in,
×1 SPI fingerprint(boot
login)



Rugged Features
IP65,MIL-STD-810H
1.2m Composite wood
floor working
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C



I/O Interface
USB3.2 *1, USB3.0 *1,
USB2.0 *1, Thunderbolt 4
Type-C port, φ3.5mm
Standard Earphone Jack
*1, HDMI 2.0a mini x1, SIM
*1, TF *1, RJ45 *2, RS232 *1,
Power port *1, 12PIN Pogo
Pin (USB & charging) *1,
Anti-theft Lock Slot *1,
Right-side Cooling Vent
*1, Left-side expansion slot

N15A Rugged Notebook

- Intel® Core™ Ultra 5 125H/Ultra 7 155H processor
- Hot-swappable dual-battery
- Rich interface, US keyboard with backlight

Rugged Notebook N15M

15.6"



N15M Rugged Notebook

- Intel i5-1235U/i7-1255U processor
- Hot-swappable dual-battery
- Rich interface, US keyboard with backlight



CPU
Intel i5-1235U/i7-1255U



Operating System
Window 11/10



Memory
RAM:16GB(Optional :32GB DDR5)
SSD:256GB



Display
Type: FHD
Size: 15.6-inch 16:9
Resolution: 1920*1080
Brightness: 1000cd/m²



Dimension/Weight
407*305.8*45.5mm



Battery
Dual-battery, the large one is hot-swappable
1300mah/11.1V (14.4WH) (small battery)
4850mah/11.55V (56WH) (large battery)



Network
4G/ 5G /WiFi 6 /BT5.1



GPS
Single GPS or single Glonass, default GPS



Camera
Front 5.0MP



Data Collection
NFC: Optional
Fingerprint: Built-in, ×1 SPI fingerprint(boot login)



Rugged Features
IP65,MIL-STD-810H
1.2m Composite wood floor working
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C



I/O Interface
USB3.2 *1, USB3.0 *1, USB2.0 *1, Thunderbolt 4 Type-C port, φ3.5mm Standard Earphone Jack *1, HDMI 2.0a mini x1, SIM *1, TF *1, RJ45 *2, RS232 *1, Power port *1, 12PIN Pogo Pin (USB & charging) *1, Anti-theft Lock Slot *1, Right-side Cooling Vent *1, Left-side expansion slot

Accessories of Rugged Notebook



Adapter



Detachable Battery



Battery Quad-charging Dock

04



Panel PC/Vehicle PC



Panel PC P10A / P15A / P17A/ P18A/ P21A



10.1"
15.6"
17"
18.5"
21.5"

P10A/P15A/P17A/P18A/P21A Panel PC

- 12th-gen Intel i5/i7 processor
- Multiple sizes available
- Rich interfaces, 24/7 running



CPU:

i5-1235U / i7-1255U
(Optional for
P10A/P15A/P21A)



OS:

Windows 11



Dimension/ Weight:

P10A
257.2*170*45.95mm; 1.2 kg
P15A
388.63*248.43*54.95 mm; 2.4kg
P17A
401*332*57 mm, 4.18kg
P18A
457*279*54mm, 3.22kg
P21A
537.02*324.02*57.60 mm; 5.05kg



Network:

4G /WiFi 6 /BT5.1



Memory:

RAM: 8GB
ROM: 128GB
(Optional:256GB/512GB,
only for
P10A/P15A/P21A)



Display:

Type: LCD
Size: 10.1-inch 16:10 (P10A);
15.6-inch 16:9 (P15A); 17-inch
4:3 (P17A); 18.5-inch 16:9
(P18A); 21.5-inch 16:9 (P21A)
Resolution:
800*1280 (P10A); 1280*1024
(P17A); 1920*1080
(P15A/P18A/P21A)
Brightness:
700cd/m² (P10A); 220cd/m²
(P15A); 500cd/m² (P17A)
250cd/m² (P18A/P21A)



Rugged Features:

Front Panel IP65
Working temperature:
-20 °C to 60 °C
(P10A/P15A/P18A/P21A);
-30 °C to 70 °C (P17A)
Storage temperature:
-30 °C to 70 °C



I/O Interface:

USB 3.0*4
DC 19V *1 (Support 12-24V)
3.5mm Standard Earphone *1
RJ45 *2, DB9 RS232 *2
HDMI *1, M.2 X1

Panel PC P10J / P15J / P17J/ P18J/ P21J



10.1"
15.6"
17"
18.5"
21.5"

P10J/P15J/P17J/P18J/P21J Panel PC


- Intel Celeron® N5100 processor
- Sealing and fanless design
- Various installation methods

 **CPU:**
Celeron N5100
processor


 **OS:**
Windows 11


 **Dimension/
Weight:**

P10J	257.2*170*45.95mm; 1.2 kg
P15J	388.63*248.43*54.95 mm ; 2.4kg
P17J	401*332*57 mm, 4.18kg
P18J	457*279*54mm, 3.22kg
P21J	537.02*324.02*57.60 mm; 5.05kg

 **Network:**
4G/dual-band WiFi/
BT5.0

 **Memory:**
RAM: 8GB (Optional 4GB
for P21J)
ROM: 128GB (Optional
64/256GB for P21J)

 **Display:**
Type: LCD
Size: 10.1-inch 16:10 (P10J)
15.6-inch 16:9 (P15J)
17-inch 4:3 (P17J); 18.5-inch
16:9 (P18J); 21.5-inch 16:9
(P21J)
Resolution:
800*1280 (P10J); 1280*1024
(P17J); 1920*1080
(P15J/P18J/P21J)
Brightness:
700cd/m² (P10J); 220cd/m²
(P15J)
500cd/m² (P17J); 250cd/m²
(P18J/P21J)

 **Rugged Features:**
Front Panel IP65
Working temperature:
-20 °C to 60 °C
(P10J/P15J/P18J/P21J);
-30 °C to 70 °C (P17J)
Storage temperature:
-30 °C to 70 °C

 **I/O Interface:**
USB 3.0*2, USB 2.0*2
DC IN 12-24V *1
3.5mm Standard Earphone *1
RJ45 *2, DB9 RS232 *2
HDMI 2.0a *1

Panel PC P10R / P15R / P17R/ P18R/ P21R



P10R/P15R/P17R/P18R/P21R

Panel PC

- RK3568 quad-core processor
- 24/7 running
- Expandable communication module, SSD



CPU:
RK3568



OS:
Android 12



Memory:
RAM: 4GB
onboard
ROM: 64GB



Rugged Features:

Front Panel IP65
Working temperature:
-20 °C to 60 °C
(P10R/P15R/P18R/P21R);
-30 °C to 70 °C (P17R)
Storage temperature:
-30 °C to 70 °C



Dimension/ Weight:

P10R
257.2*170*45.95mm; 1.2kg
P15R
388.63*248.43*54.95 mm
2.4kg
P17R: 401*332*57 mm, 4.18kg
P18R: 457*279*54 mm, 3.22kg
P21R
537.02*324.02*57.60mm;
5.05kg



I/O Interface:
USB3.0*1
USB3.0*1 OTG
USB2.0*2
DC IN 12-24V *1
3.5 Earphone Jack *1
RJ45 *1
DB9 RS232 *2
HDMI *1



Network:
WiFi/ BT5.0/ 4G




Display:

Type: LCD
Size: 10.1-inch 16:10 (P10R)
15.6-inch 16:9 (P15R)
17-inch 4:3 (P17R); 18.5-inch 16:9
(P18R); 21.5 -inch 16:9 (P21R)
Resolution: 800×1280 (P10R)
1280*1024 (P17R)
1920x1080 (P15R/P18R/P21R)
Brightness: 700cd/m² (P10R)
220cd/m² (P15R); 500cd/m² (P17R)
250cd/m² (P18R/P21R)

Vehicle PC V80J / V80T




 **CPU**
Intel JASPER LAKE
N5100 processor
(V80J)
ARM octa-core
processor (V80T)


 **OS**
Windows 11, optional
Ubuntu22.04.4 / 22.04.6
(V80J)
Android 12 ,optional GMS
(V80T)


 **Memory**
RAM 8GB LPDDR3
ROM 128GB EMMC

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

 **Dimension/
Weight**
218.1*154.5*23.0 mm
631g (V80J)
611g (V80T)


 **Battery:**
Built in 1000mAh/7.4V(V80J)
Optional 2000mAh/3.7V
(V80T)


 **Network**
Optional:4G/dual-
band WiFi /BT5.0
(V80J)
Optional:4G/dual-
band WiFi /BT5.2
(V80T)


 **GPS**
GPS+GLONASS (V80J)
GPS+Beidou+GLONASS
(V80T)

V80J/V80T Vehicle PC

- ARM/X86 architecture CPU
- 8"HD and high brightness display screen
- Support battery-free solution

 **I/O Interface(V80J):**
Nano-SIM *1 (optional)
USB 3.0 *1
DC input (11-24V)
Optional:
Gigabit network port,
RS232 *1+RS232/RS485
*1
USB 2.0 *2+USB 2.0
(default) /CAN*1

 **I/O Interface(V80T):**
MICRO-SIM*1
USB 2.0*1
DC input (12V)
Optional:
100M network port
RS232*1+RS232/RS485
(standard) *1
USB 2.0 *1+USB
2.0(default)/CAN*1+CVBS*
1

 **Rugged Features**
IP65
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C
±8kV contact discharge,
±15kV air discharge
Humidity: 95% Non-
Condensing

 **NFC**
Optional

Vehicle PC V10J / V10T



V10J/V10T Vehicle PC

- ARM/X86 architecture CPU
- Multiple extensive aviation plug interfaces
- VESA and RAM two installation methods



CPU

Intel JASPER LAKE
N5100 processor
(V10J)
ARM octa-core
processor (V10T)



OS

Windows 11, optional
Ubuntu22.04.4 /
22.04.6 (V10J)
Android 12 ,optional
GMS (V10T)



Memory

RAM 8/4GB LPDDR3
ROM 128/64GB EMMC



Display

Type: HD
Dimension: 10.1-inch 16:10
Resolution: 800*1280
Brightness: 1000cd/m²



Dimension/ Weight

264.5*184.1*23.0 mm
834g (V10J)
824g (V10T)



Battery

Buil in 1000mAh/7.4V(V10J)
Optional 2000mAh/3.7V
(V10T)



Network

Optional:4G/dual-
band WiFi /BT5.0
(V10J)
Optional:4G/dual-
band WiFi /BT5.2
(V10T)



GPS

GPS, GLONASS (V10J)
GPS+Beidou+GLONASS
(V10T)



I/O Interface(V10J):

SIM *1
USB 3.0*1
Optional:
Gigabit network port,
RS232 *1+RS232/RS485 *1,
USB 2.0 *2 + USB 2.0
(default) /CAN*1



I/O Interface(V10T)

SIM *1
USB 2.0 *1
DC input (12V)
Optional:
100M network port,
RS232 *1+RS232/RS485
(standard) *1
USB 2.0 *1+USB 2.0
(default)/ CAN*1+CVBS*1



Rugged Features

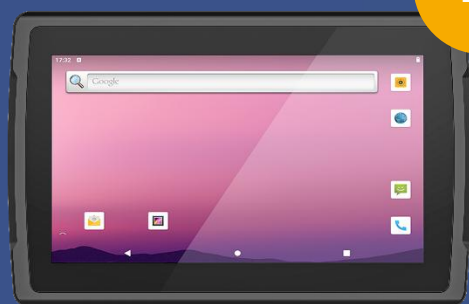
IP65
Working temperature:
-20 °C to 60 °C
Storage temperature:
-30 °C to 70 °C
±8kV contact discharge,
±15kV air discharge
Humidity: 95% Non-
Condensing



NFC

Optional

Vehicle PC V12R



10"

V12R Vehicle PC

- RK3568 quad-core processor
- Multiple functional modules for selection
- Professional Deutsch interfaces



CPU
RK3568 quad-core processor



OS
Android 12+Linux Dual-System



Memory
RAM 4GB
ROM 64GB



Display
Type: MIPI HD
Dimension: 10.1-inch 16:10
Resolution: 1280*800 dpi
Brightness: 700 nits
Optional:
Resolution: 1024*600dpi
Brightness: 750 nits



Dimension/Weight
282*181*31mm
1150g (full set)



Network
Optional:4G/dual-band WiFi /BT5.0



GPS
GPS+Beidou+GLONASS
Optional: Single Beidou



Functional Modules
Optional:
CAN (Supports up to 2 CAN channels)
RTK High Precision Locating
Data Radio(Frequency range: 410-470MHz)
AHD Multi-Channel Cameras



I/O Interface
MICRO-SIM x 1
TF Card
USB 2.0*1
USB 2.0*1, USB-A Port, HOST Data Transfer
AHD*4 GX12 4-pin connector * 4
TNC*2
SM*2
26-PIN Deutsch Interfaces



Rugged Features
IP65
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
±6kV contact discharge, ±10kV air discharge
Humidity: 95% Non-Condensing



Data Radio
Optional
Frequency range: 410-470MHz

Accessories of Vehicle PC / Panel PC



Rod
antenna



12pin to 2-way
USB/1-way CAN



GPS vehicle
mushroom
antenna



GPS rod antenna



WIFI rod antenna



Function adapter
cable-12pin to
12 loose wires



Functional adapter
cable-12pin to full
function RS232 power
line + serial
communication 232



Functional adapter
cable-12pin to
RS232+485



Function adapter
cable-2PIN to full function
RS232 power line + serial
communication 485



Wide voltage
module



Cigarette lighter
adapter



Battery



Adapter



8 pin power lines to
4 loose wires



Adapter



PPC hook
component



Antenna



Power adapter
cable

Customized Services



Customized Brand - Customer demand of brand

Acer' s Enduro Series Rugged PCs

Mainly rugged notebooks and tablets, for harsh and challenging environments.



Customized Software - System software functions

India Education Machine

Equipped with customized software to provide end-to-end solutions for paperless tests.



Customized Construction - Product structure and appearance

OZNER Water Purification System

Provide features like wireless connection, remote control, information display, advertising, and more.



Customized Hardware - Interface, industrial functional modules

African Nations Remote Medical Device

Specialized for various interfaces, stable communication module, and positioning.

USAGE SCENARIOS



Logistics



E-commerce



Retail



Vehicle Inspection



Inspection



Smart Factory



Economics



Express Industry



Warehouse



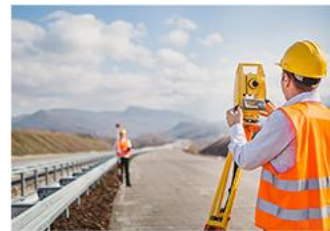
Education



Communication



Animal Husbandry



Mapping



Shipping



Oil



Forklift



Transport Vehicle



Public safety



Chemistry



Electricity



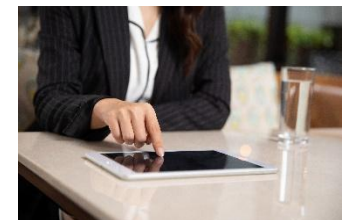
Fire fighting



Workshop



Production line



Finance

PRODUCT CERTIFICATIONS

Management System

Rugged Certification



MIL-STD
810H

MIL-STD
810G

MIL-STD
461F

Common Certification

International and
Regional



CTA

SRRC

Restriction of
Hazardous Substances

RoHS



Non-compulsory
Certification



HDMI



CB



Battery Shipping
Insurance

MSDS
Material Safety Data Sheet

UN38.3

IEC 62133

Laboratory Management System



With perfect R & D equipment and test equipment to achieve product development

Project development tests

Environmental laboratory	Thermal laboratory
Structural analysis laboratory	Acoustical laboratory
System test laboratory	RF laboratory

Product reliability tests

Durability laboratory	Mechanical laboratory
ESD laboratory	Drop test laboratory
High and low temperature laboratory	Stress test laboratory



Live demonstration



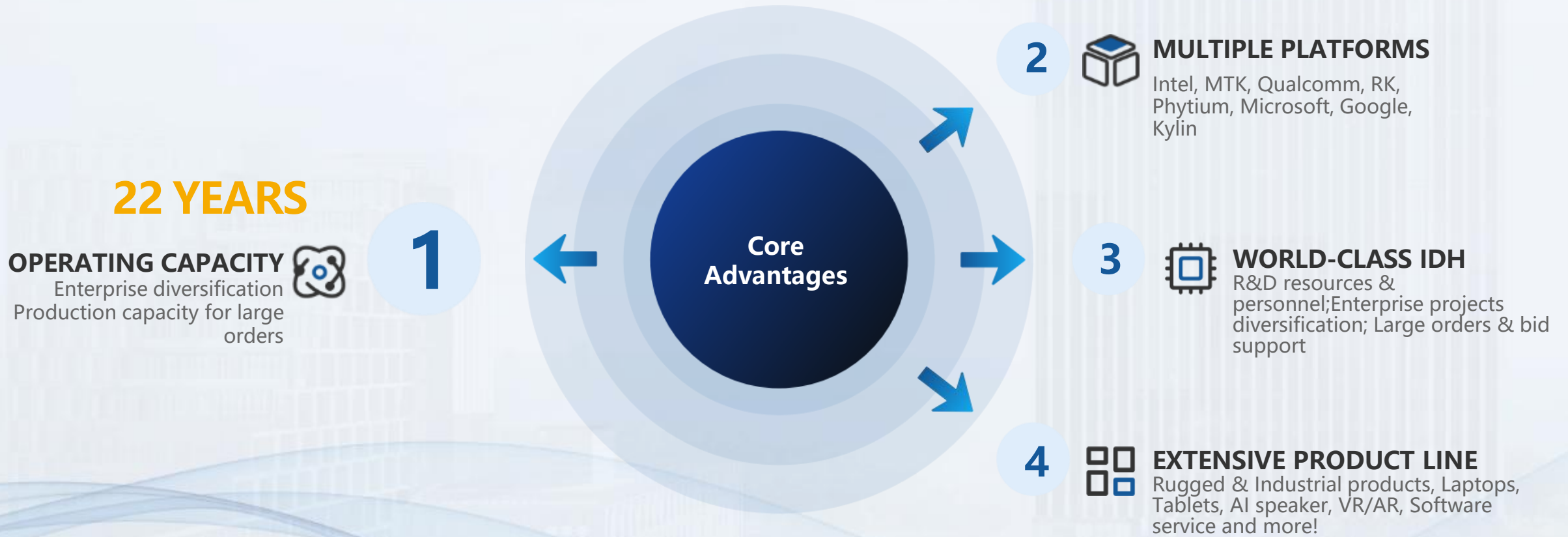


3 Part Three ADVANTAGES

■ ■ ■
MORE STABLE AND MORE EFFICIENT

GROUP ADVANTAGES

...



COMPANY ADVANTAGES



01

YEARS OF TECHNOLOGY ACCUMULATION
16 years of industry exploring, 12 years of industry developing.

02

A FULL RANGE OF PRODUCTS
Full coverage of multiple forms, multiple sizes and multiple platforms.

03

PROFESSIONAL PRODUCTION LINE
107639.1 sq. ft. production area, with an annual capacity of more than 400K devices.

04

HIGH QUALITY SUPPLY CHAIN
Long-term and stable strategic cooperative relations with original manufacturers.

05

STABILITY AND RELIABILITY
22604.21 sq. ft. of laboratory, hundreds of laboratory apparatus.

06

CUSTOMIZED CAPABILITIES
Customized design, development, production and support from the experienced customized team.



Why Choose ONERugged?

1 High Cost-Effectiveness and Market Competitiveness
Price Advantage: ONERugged products are priced approximately 40% lower than top-tier brands like Getac and Panasonic, compared to other second-tier brands like Durabook, ONERugged maintains similar product quality while offering a 20% price advantage

2 Rolling Inventory&Prompt Delivery
We will choose 1-2 main configurations to make rolling stock for each model, this enables us to ship goods in 2 weeks.

3 Opaque pricing
The lack of price transparency creates opportunities to the partner. This approach can help protect the customer's desired pricing strategy while also generating increased revenue.

4 3 Years Warranty & Free life-long technical support
Offer flexible warranty options ranging from 1 to 5 years, with technical support available within 24-48 hours, we provide free lifetime technical support

5 Own Factory
Own build Factory, with annual capacity of 400K devices.



4 Part Four SUCCESSFUL STORIES

YOUR ONE-STOP RUGGED COMPUTING
SOLUTION PROVIDER



Global Success Stories in Various Industries



Emdoor rugged computers have been applied in a wide range of industrial fields.



一站式加固计算机提供商



Smart Retail - ZARA Enhances Customer Experience



ZARA

Applied Product:

EM-PPC15R3

Application Scenario:

**Digital Advertising Display
in Clothing Stores**

Challenges:

**Frequent changes in product and
inventory data; Difficulty in
collecting membership
information**

Solution:

1. The 15" PPC15R3 panel PC seamlessly integrates into store management, providing continuous operation.
2. Its large 15-inch display offers 24/7 smart promotions, showcasing products and boosting customer engagement.
3. The PPC15R3 enables centralized control of all store devices, ensuring synchronized and timely information updates.

Benefits:

1. Faster product and inventory searches improve order processing, reducing customer wait times and enhancing the shopping experience.
2. The panel PC provides real-time data analysis, helping stores optimize inventory and refine marketing strategies.
3. Employees can handle tasks flexibly without being confined to a fixed workstation, improving operational efficiency.



- Rockchip RK3568 Quad-Core Processor
- Android 12 Operating System
- 4G/WiFi/Bluetooth 5.0 for multiple communication options
- Multiple I/O ports supporting industrial applications
- Built-in NFC, compliant with EMC/EMI standards
- Standard VESA mount, supporting embedded and wall-mounted installation

Energy Industry- ISTA Digitisation and smart solutions for building owners and their residents



ISTA SE

Product:

EM-I86H, will soon be upgraded to the ONERugged M10A

User Scenario:

Meter readings, maintenance and data uploads

Challenges:

Manually filling in results is inefficient, easy to miss items or make errors, and cannot guarantee the reliability and authenticity of the data

Solutions:

1. The team of over 4,500 field service technicians, each technician is equipped with Emdoor 8inch windows tablet running a custom app for meter readings, maintenance and data uploads

Benifits:

1. Reliable Bluetooth Connectivity: With advanced Bluetooth technology, Emdoor tablets ensure stable connections even at longer ranges
2. Extended Battery Life: Emdoor tablets are built for all-day use, reducing downtime due to charging and keeping technicians efficient during peak seasons



- Intel processor, Windows 10 operating system
- 8-inch, 1200*1920 FHD screen
- 7800mAh/3.7V battery, supports 13 hours of battery life
- 4G/dual-band WiFi/BT4.2, multiple communication options
- Precision GPS navigation
- Built-in NFC, optional 1D barcode scanning
- IP67 industrial-grade protection, waterproof, dustproof, 1.22-meter drop resistance

Transportation – Electric vehicle users enjoy smart travel with efficient charging and swapping stations



NIO

Applied Product:

EM-Q16

Application Scenario:

Battery Charging and Swapping Stations

Challenges:

With the rapid popularization of electric vehicles, the demand for convenient charging solutions is rising, traditional charging methods are often slow

Solution:

Each NIO's charging stations have implemented one of Emdoor's EM-Q16 rugged tablets with custom smart management software to create a new management system. The EM-Q16 acts as the operational terminal, allowing real-time monitoring and data recording of the swapping process, and enabling manual intervention during malfunctions to ensure smooth and safe operations.

Benefits:

The EM-Q16 rugged tablet, integrated with the station's smart management software, streamlines the charging and swapping processes, reducing wait times and improving the user experience. Faster fault response, better data management, and increased operational efficiency also enhance service reliability and overall customer satisfaction. Smart bus stop sensors provide real-time passenger flow insights, ensuring a smoother travel experience.



- ARM octa-core processor, Android 10 OS
- 10.1" 1200×1920 high-brightness (700 nits) IPS display
- 5MP front + 13MP rear camera with autofocus and flash
- 3.7V/10,000mAh large battery
- 3G/4G full network support, WiFi 5, Bluetooth 4.1
- Built-in NFC, optional 1D/2D barcode scanner, fingerprint module
- IP65-rated for dust and water resistance, operational temperature: -20°C to 60°C



Fleet management – Fleet Operations Enhanced for Efficiency and Safety



Top 1 fleet management solution company in North America

Applied Product:

EM-T86 + Vehicle Mount

Application Scenario:

Fleet Management

Challenges:

Route deviations, navigation errors, and lack of real-time personnel monitoring

Solution:

1. Logs driver routes, speed, and work records in real time.
2. GPS provides precise navigation, minimizing detours and errors.
3. External cameras enable real-time vehicle and personnel monitoring.
4. Mountable design allows easy installation and efficient document scanning.

Benefits:

1. Real-time GPS and video monitoring enhance fleet safety.
2. Accurate navigation reduces errors and lowers operational costs.
3. Streamlined document scanning improves workflow efficiency.



- MTK quad-core processor, Android 8.1 OS
- 8" 800×1280 IPS display
- 2MP front + 13MP rear camera with autofocus and flash
- 4G, dual-band WiFi, BT 4.0 for versatile connectivity
- Supports GPS & GLONASS navigation
- Built-in NFC, optional 1D/2D barcode scanning
- IP67-rated for water and dust resistance, 1.22m drop protection

Fleet management



2020

2021

2022

2023

A North American Top 5 fleet management solution integrator started the trial with Emdoor's tablet EM-T86.

The customer followed the upgrade with Emdoor's EM-Q86M. At the same time, they increased the ROI and market share.

The customer became the Top 1 of the NA market.

The customer will still follow Emdoor's upgrade to offer more efficient and stable fleet management solution.

STRATEGIC PARTNERS

...

intel.

Qualcomm

BYD

acer

AMD

MEDIATEK

Starkylin

arm

MILKYWAY

Microsoft



DHL

China Mobile

CHERY

HYUNDAI



KFC

Altium

NIO

ZARA

ISAAC



Athesi
Mobile Generation

美的 Midea

SALE & MARKETING APPROACH

Digital Marketing

Business Visits

Exhibition Attendance

Public Tenders

E-commerce

Referral Selling

Cold Calling & Cold Emailing

Partnerships

Consultative Selling

Contacts and resources

ASBIS Enterprises PLC

Web: www.asbis.com

Web: prestigio-solutions.com

BDD IVAN MALMYHA

E-Mail: i.malmyha@asbis.com



EMDOOR INFORMATION:

Web: www.onerugged.com

Wechat: ONERugged

LinkedIn: ONERugged

Twitter: ONERugged

YouTube: @ONERugged

Facebook: ONERugged

TikTok: onerugged

E-Mail: camille@emdoor.com