Alcom electronics

Rugged Mobile Computing for tough environments

Rugged PDA'S, Tablets & Vehicle mount computers
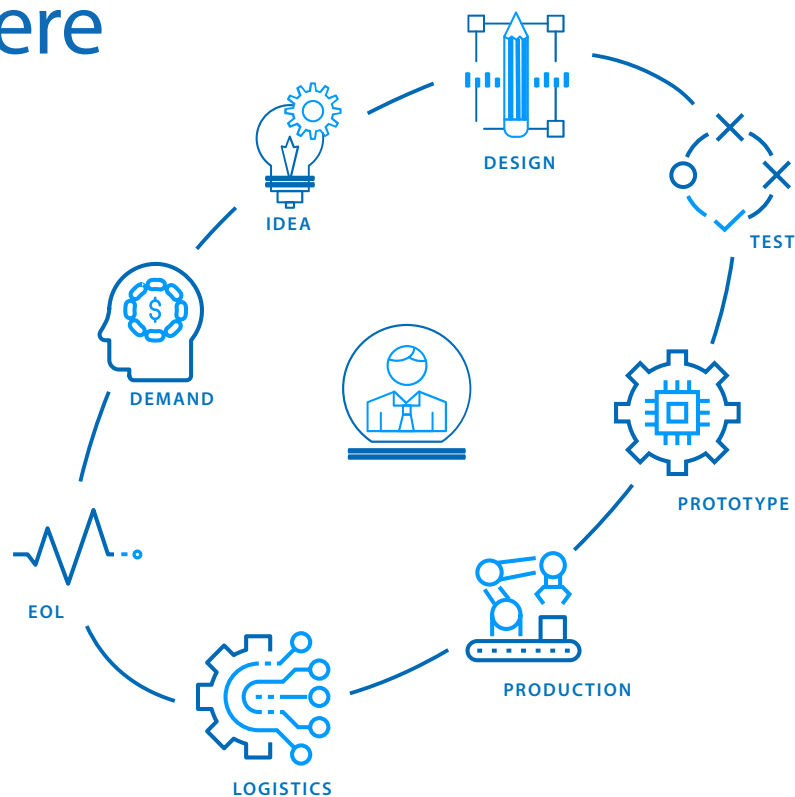
Rugged Mobile Computing
& Alcom

Alcom's professional mobile computing division serves the requirements for productivity improvement in harsh or extreme work environments.

"Tough" include strong vibrations, high drop ratings, extreme temperatures, wet, dust or allweather conditions.

Our devices are designed from inception for the type of tough-use typified by these conditions, not just in the external "hard shell"-housing but in the internal component and cooling arrangements as well. They are capable to handle demanding multitasking applications. All devices are built to last, easily serviced or fixed.

Let us guide you through our broad portfolio of solutions.

Co-creation
starts here

IDEA

DESIGN

TEST

DEMAND

PROTOTYPE

EOL

PRODUCTION

LOGISTICS

Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.

Markets

PUBLIC SAFETY

TRAFFIC & TRANSPORTATION

MOBILE WORKERS & FIELD SERVICES

MARINE

IOT

LOGISTICS
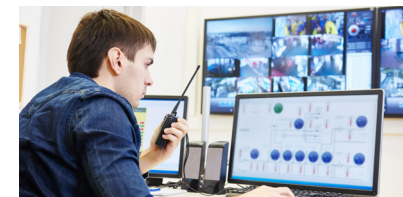

INFRASTRUCTURE

AGRICULTURE

GIS, MAPPING & MINING

IN-VEHICLE COMPUTING

AEROSPACE & MILITARY

REMOTE MONITORING

KEY PARTNERS

ADLINK TECHNOLOGY INC.

AMobile
Powered by MEDIATEK

avalue Technology Inc.

handheld
ULTRA RUGGED

msi
TOUGH ENVIRONMENTS

RUGGON
TCO

Product overview

Rugged PDAs, Tablets and Computers for harsh environments

Whether or not to invest in a rugged versus consumer device is the first key question that is often overlooked. Rugged devices provide peace of mind for your mission critical information and are built to withstand the demands of a truly mobile workforce. The rugged mobile devices are designed for anyone who works in a tough environment. Whether the challenges come from weather, extreme temperatures or tough work situations, our devices measure up to all of them. Be assured your Rugged device is seamlessly integrated into your company's environment.
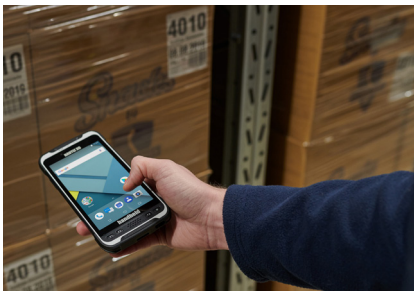
IP65   Mil-st

Military panel PC

- High brightness LCD with Multi-point Resistive touch
- Removable storage case for easy maintenance
- Support MXM interface to enhance graphic capability
- Optional support self-destruction mechanism
- Withstand harsh environment and tested by MIL-STD-810G
- EMC compliant with MIL-STD-461F
- Power design compliant with 1275E

Barcode scanners

With our barcode scanners you can handle fast order picking, error-free work orders & smooth shipping and receiving. Our PDA's and Tablets have an integrated high-speed 1D barcode scanner or 2D imager with High-Density optics.
Optional accessories for our barcode scanners: Wrist mount Bluetooth, pistol grip, shoulder strap, carry case and more.

Mobile data terminals and vehicle mount computers

- 10.4" Vehicle Mount Computer
- 12.1" Vehicle Mount Computer
- 7" Mobile Data Terminal Android/Windows
- Vehicle dock in combination with tablet/pda

IoT devices, Wearables, Hands-free scanning wearables

In addition to our rugged handhelds and tablets, we're introducing a new wearables product line which includes smart devices worn on your body to keep your hands free. A hands-free scanning and scanning and printing solution is ideal for your warehouse. Let your workforce maximize productivity while keeping their hands free. Easy to pair with a mobile computer or PDA. Option to scan a barcode or NFC tap.
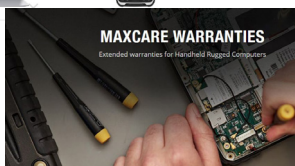Tested to IP65 dust and water resistance and operating from 0℃ to 50℃, it can survive multiple drops to concrete.

Semi-rugged tablets & Medical tablets for clinical environments

CAXA0
Semi Rugged Tablet PC

Medical-Grade Semi-Rugged 10.1" Tablet PC

- Semi-rugged design with Intel Celeron N3350
- MIL-STD-810G & IP65 certified, 4-feet drop resistance
- 10.1" TFT color LCD 1280 x 800 HD
- Corning Gorilla Glass, 5 point projected capacitive multitouch panel
- High mobility with multiple connectivity including WLAN, Bluetooth, NFCLight Design, Weight only 1Kg with Battery
- G-sensor, light sensor, 2M/8M Camera
- Option SCR, 1D/2D Barcode scanner
- Medical certified EN60601-1-2 (4th edition)

Software Solutions & extended warranty programs

MAXCARE WARRANTIES
Extended warranties for Handheld Rugged Computers

The Handheld MaxCare Service Plan is a comprehensive package of add-on service selections available for newly purchased Handheld devices worldwide. The plans are valid for a period of three to five years from the product's purchase date. We offer both economical and All-inclusive plan.

MaxGo Manager is a smart mobile device management solution that allows users to organize devices into groups, share accounts, gain useful insights about Handheld Android devices and much, much more.

The entire MaxGo Suite is free of charge for use with all Handheld's Android rugged computers.
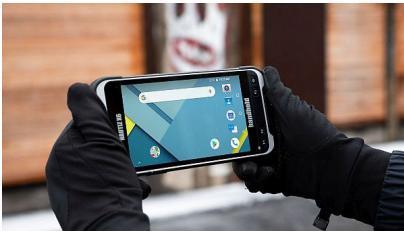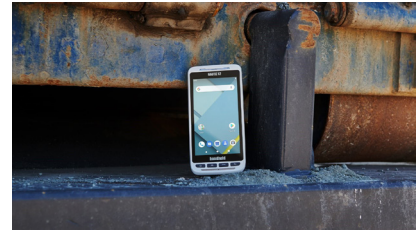
Accessories for PDA's, Tablets & Mobile computers

- **Power:** Improve the usability areas by adding more power and smarter and faster charging of your Handheld rugged computer.
- **Cases & Protection:** Make your rugged handheld device withstand water, dust, and shock even better.
- **Mounts:** Find the right type of mounts, cradles or vehicle docks for use with your Handheld Rugged Computer.
- **Expansions:** Expand the capabilities by adding barcode scanners, RFID readers, pistol grips and extension caps.
- **Misc:** Find extra battery cables, print cartridges, memory cards, headsets or different carrying solutions.

New product releases

OPERATING SYSTEM UPGRADE FOR NAUTIZ X2

OS upgrade to Android 11 for the NAUTIZ X2 rugged handheld. The Nautiz X2 is a compact, lightweight rugged handheld designed for efficient field data collection and communication outside of the office environment. With a complete accessory ecosystem, enterprise users can outfit their mobile workers for maximum efficiency.

NAUTIZ X6 ULTRA-RUGGED PHABLET NOW WITH ANDROID 11

With this hardware upgrade, the new version of the Nautiz X6 ultra-rugged phablet runs Android 11 and is Android Enterprise Recommended (AER). The new Nautiz X6 also includes a jump to 64 GB of storage. One of Handheld's most successful products since its launch in 2019, the Nautiz X6 is ideal for industrial and field applications with the reliability to perform most challenging outdoor and industrial environments.

ACCESSORIES FOR ALGIZ RT8 ULTRA RUGGED TABLET

To work in outside environments, accessories for Rugged tablets are very welcome. You can have your hands free doing your job by adding a carry case with neck strap or shoulder carrier. We have also a pole mount available for the Algiz RT8. To complete this rugged tablet there are headsets, car chargers, AC adapters and memory cards available.

10-INCH SOL PA501B RUGGED TABLET NOW WITH ANDROID 11 AND GMS CERTIFICATED

RuggON 10" rugged tablet SOL PA501B is leading upgraded with Android 11 operating system and Google GMS certificated, and it delivers a wealth of helpful features to enterprise more security and control for IT and users.

MEDICAL-GRADE SEMI-RUGGED 10.1" TABLET PC

The powerful CAXA0 workstation is equipped with enhanced touch capabilities, a charging cradle, and medical certification EN60601-1-2 (4th Edition) to improve its durability and reliability. Built around a capable Intel Celeron N3350 CPU and a bright, clear 10.1-inch color TFT LCD, the CAXA0 offers an impressive range of features.

NEW 10.1" RUGGED TABLET ND62

The new ND62 10 inch Rugged tablet from MSI is IP65 certified and Military standard 810G tested. Suitable for field, vehicle or office applications.

Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH

LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

- Semiconductors
- Frequency & timing
- Power management
- Circuit protection & discretes
- Magnetics
- Passives & electromechanical
- Connectors & cable assemblies
- Photonics

- Wireless modules
- Antenna's
- Sensors

- Routers & gateways
- Wireless embedded computers
- Industrial ethernet and IP variations
- Wired & wireless machine networking
- Antenna's
- Device to cloud solutions
- Connectivity & remote management services
- Networking & connectivity

- Displays
- Touch screens
- Optical bonding
- Total display solutions

- LED light sources
- Optics
- Thermal management
- Power & intelligent controls
- LED modules

- AC/DC power supplies
- DC/DC converters
- Power management modules
- Wireless charging
- E-mobility solutions
- Transformers & power inductors
- UPS
- EMC filters

- Tablets
- PDA's
- Vehicle mount computers
- Accessories

- Computer-on-modules
- Embedded boards
- Industrial PC & automation
- System integration

Bridging the gap between technology, people and business with a human interface.

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Get to know us

ALCOM PROVIDES THE WORLD'S MOST ADVANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.