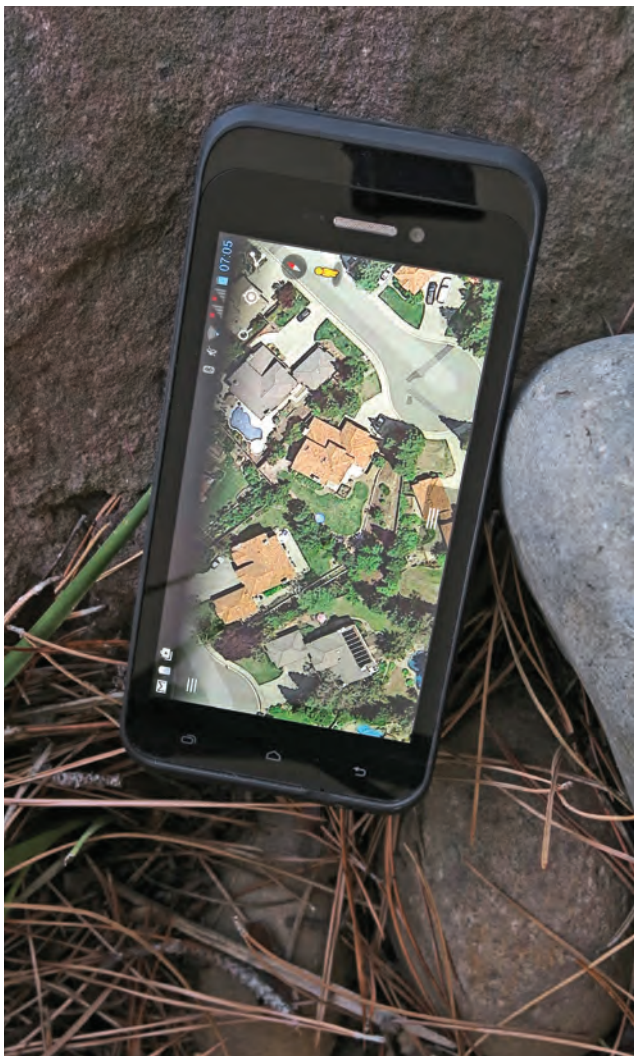
ARBOR

Leverage Rugged Mobility to Optimize Your Business




ARBOR

Table of Contents

Exploring Market Opportunities

Over the past few years the rugged mobile market has experienced significant changes in many ways. One of the most dramatic changes is the striking growth of consumer mobile tablets and smartphones. As a result, rugged mobile computing devices used mainly by enterprises are inevitably influenced by consumer mobiles. The impact lies not only in market share but also product design. For example, the wide adoption of smart phones greatly influences mobile workers expectations for functionality and ease of use. This in turn leads to the improvement of enterprise mobility devices, such as the adoption of touch-oriented screens instead of keypads, or the user-familiar Android platform. Technology evolution also plays an important role in driving the changes, such as multi-core platform to increase processing power, or the advances of 4G/LTE and NFC technology.

In spite of the competition from consumer-grade devices, rugged mobile market still has great opportunities owing to some factors including the Internet of Things (IoT) trends, increase of mobile workers and technology advances, such as the increasing demand for broadband applications due to the maturity of 4G technology.

As a player in the rugged mobile computing segment for years, ARBOR remains very positive on the market and has developed strategies to be adaptive to this evolving market. We extend our product diversity and manufacturing capacity through partnerships, and continue to grow our portfolio with more differentiated products with the aim to strengthen our position and grow our business in the market.

Teaming up with MediaTek® to Be Part of the IoT Ecosystem

There is no doubt that the IoT has been a critical driving force for the mobile market and that the market is to be a huge one. To strengthen ARBOR' s mobile eco-system and thereby seizing the substantial and growing mobile business opportunities, ARBOR announced the strategic alliance with MediaTek in 2014. As a leading fabless semiconductor company, MediaTek has also involved in Systems on Chip (SoC) for wireless communications and connectivity over the past decade and has progressed with a substantial percentage of the world' s mobile market. As MediaTek is creating a worldwide ecosystem in support of device creation, application development and services based around the company' s offerings. ARBOR' s partnership with MediaTek can help speed up ARBOR' s participating in the IoT ecosystem.

With MediaTek' s proven innovation in multi-core CPU design, cost-effectiveness, flexibility and rapid time to market, ARBOR can expand the product offerings for the ever-growing Android market and provide our customers with high performance products at affordable price in the greatest time of the market. Under the basis of cooperation and strong partnership, ARBOR has introduced a range of Android-based mobile offerings powered by MediaTek chipsets – the Gladius series. The Gladius series are perfectly designed for a wide range of industries, such as medical, transportation, mPOS, fleet management, warehousing as well as O2O applications. It' s a demonstration showing how the partnership brings benefits to our consumers in terms of product portfolio and price points.

Maintaining a Long-Term Partnership with Intel® and Microsoft®

ARBOR has been a long-time alliance partner with both Intel and Microsoft. ARBOR is an Associate Member of the Intel IoT Solutions Alliance, one of the world' s most recognized and trusted technology ecosystems, dedicated to providing scalable and interoperable solutions. Partnering with Intel enables ARBOR to benefit from early access to roadmaps, test platforms, and design support, thus accelerating the deployment of intelligent devices, reducing risk and lowering development costs. ARBOR is also a certified Windows Embedded Partner. Microsoft' s Windows Embedded Partner Program (WEP) is a strategic worldwide program focused on providing partners with increased business opportunity, market awareness and technology advantage.

Many of ARBOR' s mobile computing devices adopt Intel' s Atom/Celeron processor with Windows Embedded OS. The Intel SoCs are mainly designed for smartphones and tablets, featuring high performance for peak mobile experiences while maintaining high energy efficiency. The perfect balance of performance and power management makes it an excellent selection for challenging applications. Together with Windows embedded platforms that deliver full Windows application compatibility with existing business solutions and the flexibility to create customized experiences, these offerings are great choices for enterprise professionals to extend business intelligence.

Expanding Product Portfolio

ARBOR is constantly expanding the range of products offered to our customers across the industries and applications where new opportunities for growth exist. In response to growing demand in field mobile segments, we launched several Android-based handheld devices. We anticipate a significant market opportunity as more enterprises move to adopt Android for line-of-business applications. The rugged tablets market is relatively mature yet still shows growth potential, as it grew by 17.5% in 2014 over the previous year, according to a report by VDC Research. To increase the diversity of our existing tablet product portfolio, Android-based tablets are planned to complement our existing Windows-dominated tablet products.

Expanding Manufacturing Competence

Another approach to expand our business opportunities is further expanding ARBOR' s manufacturing capacity by aligning a strategic manufacturing partnership with Wistron, one of the leading original design manufacturers (ODM) in the information communications technology space. ARBOR' s existing manufacturing sites in Taiwan and Shenzhen, China have adequate manufacturing capability. Yet this partnership enables ARBOR to take advantage of Wistron' s high-volume facility in a cost-effective way without significant capital investment. ARBOR can also benefit from the pricing, sourcing capacity and after sales services that Wistron is known for.

By leveraging ARBOR' s strength in research & development and diverse product portfolio, and Wistron' s advantages in manufacturing technology and capacity support, ARBOR can rapidly accelerate the time to market so as to better meet customer' s growing demand for ARBOR' s products.

Assembly Service

Wistron offers a complete set of board-level and systems-level assembly services to maintain pace with the increasing needs from customers. They provide standard final system assembly as well as configure-to-order (CTO) and build-to-order (BTO) models. Its sophisticated IT systems allow for CTO and BTO models to operate utilizing efficient cooperation between product line schedulers, component suppliers and customers. The well-integrated assembly service can satisfy ARBOR customers' requirements for various products using different manufacturing modes.

Quality Control

In-process quality assurance processes at the manufacturing level ensure that Wistron is able to execute the production plan as scheduled while meeting the quality expectations of our customers. The testing process starts with close examination of incoming components to ensure supplier quality and ends with out-of-box audit (OOBA) final assembled and packaged sample testing. Tests are conducted at every stage of the manufacturing process to confirm that original product designs are accurately met.

Supply Chain Management

ARBOR works closely with Wistron to develop the optimum component planning and final system delivery, as well as the on-going, future component supplies for supporting the after-sales service function. Through a highly integrated project management process flow, sophisticated IT systems and close management / knowledge of component suppliers, we can ensure optimum utilization and efficiency of the supply chain. Thus, customers are confident that product development through volume manufacturing and after-sales service is well-managed.

wistron

Rugged and Ergonomic Design

Ruggedness is an important factor to be considered for mobile computing from two perspectives. First, ruggedness is needed in order to withstand the typical rigors of daily mobile use. Second, it is needed to meet the various environmental challenges under all exposed working conditions including the harshest environments. As environmental factors vary from application to application, there is wide variety of engineering factors that need to be addressed, such as rain, dust, shock and extreme temperatures. For example, while a warehouse application needs a rugged mobile computer capable of withstanding drops and dust, a mobile computer used for field data collection may be more concerned about the ability to withstand rain or extreme temperature.

As an experienced designer and manufacturer of industrial and embedded systems, ARBOR has considerable experience in ruggedizing products. ARBOR' s mobile computing product lines are developed tough enough to handle whatever might be encountered on the job the product is intended for.

MIL-STD-810 Durability Rating

MIL-STD-810 is an accepted standard of ruggedness testing and compliance set by the US Department of Defense for military and commercial equipment and applications. The tests cover a broad range of environmental variables including temperature, pressure, dust, humidity and vibration testing. ARBOR' s rugged computing devices are engineered to be compliant with MIL-STD-810G/F standards to achieve industrial-grade durability.

IP54/65-certified All-weather Design

Ingress protection (IP) rating describes levels of protection against solids and liquids. The rating is composed of two numbers; the first defines the level of protection against dust from 0 ~ 6 while the second defines the level of resistance to liquids from 0 ~8. Higher numbers indicate a higher tolerance to dust and water. ARBOR rugged mobile computers are either IP65 or IP54 rating to ensure operation in dusty, dirty or wet job site conditions.

Ergonomic Design

As mobile devices are intended for use in the work progresses for long periods of time, ergonomic design is essential to avoid operator fatigue, injury and discomfort. Ergonomically designed products are also less likely to need repairs or replacements. A number of factors can impact the ergonomic performance of a mobile device, including form factor, weight, usability and display visibility in bright sunlight. Adding appropriate accessories also helps to ramp up ergonomic factors, such as hand held straps can provide comfortable and single-handed use. While built to meet the requirements for durability and functionality, ARBOR' s mobile computing devices don' t compromise ergonomics to ensure the products fit naturally with the operators.

Build to Survive

Reinforced Chassis

ARBOR rugged mobile computers are encased in a protective chassis that can absorb the shock. Our tablets come in a textured polycarbonate case that' s built on rigid magnesium alloy. The magnesium alloy provides durability without significant weight, making it a perfect material choice for mobile computers. And along the sides of the touch screen there is a rubbery protective rim molded onto the housing to keep the water out. Some models come with add-on corner bumpers while some have bumpers molded in the four edges of the case. Whatever the design, these corner bumpers help to protect the computer against shock, drop damage or hard falls.

Meeting Standards

To ensure ruggedness and reliability, ARBOR rugged mobile computing devices are tested by an accredited outside third party testing lab to certify that our products meet the MIL-STD 810 and IP rating standards.

Fanless Design

ARBOR' s rugged mobile computing devices are equipped with a fanless cooling system; there are no openings on the surface of the cabinet so that dust and water cannot get into the enclosure. Such design ensures protection against water and dust penetration.

Hardened Display

Many of ARBOR' s rugged mobile computing devices feature Corning' s Gorilla® Glass as the cover glass to better withstand damages. Strengthened specifically for mobile devices, this glass improves screen durability without adding weight to the highly mobile tablets.

Sealed Ports and Doors

The I/O ports and openings of the computer are protected by tight-fitting sealed covers with soft plastic hinges. The covers keep dirt, water and dust out and also help eliminate corrosion.

Shock-mounted Components

A tough exterior is not enough. Shock absorption is needed for internal components. The main circuit board and all electronics are encased in a magnesium alloy chassis and vital components are shock-mounted. Many of our rugged mobile devices use SSD for storage purpose. SSD features a non-mechanical design of NAND flash mounted on circuit boards, and are more shock resistant as compared to HDD.

Designed to Fit Your Needs

Efficient Power Management

Power management is critical for mobile rugged computers to keep them running at all times. Efficient power utilization is as important as ensuring rugged computers get charged up when needed. Some methods adopted by ARBOR to achieve efficient power management include:

- Power-saving components
- High-capacity main battery
- Hot swappable second battery
- Superior battery life for longer uptimes
- Ambient light sensor to auto-adjust LCD brightness to save battery power
- Wireless charge support

Rugged High Mobility

With MIL-STD-810 and IP65/54 certifications, ARBOR' s rugged computing devices are engineered to be tough enough under the most challenging conditions, yet they are also designed light enough to be carried around all day. Though ruggedness inevitably comes at the cost of extra size and weight, ARBOR' s mobile tables are optimized to achieve the balance of ruggedness and ergonomics.

Expandable Functions

ARBOR has designed mobile-specific features into various models such as daylight-readable screens (up to 1,000 nit) for some models for outdoor use. In addition, our rugged mobile computing products are also offered with various expandable modules, allowing customers to easily add new modules to expand the functionality including Bluetooth, barcode scanner, 3G/4G, GPS, MSR, NFC/RFID and smart card reader modules.

Seamless Connectivity

For mobile professionals using mobile communications, such as moving vehicles, industrial M2M, and geographically dispersed monitoring sites, seamless and full-time connectivity is a must to ensure that mobile workers can have real time data access and transfer from almost anywhere to stay in operation. Also, communications links must be reliable under dynamic and radio-hostile environments. To overcome this hurdle, ARBOR' s rugged computing devices come equipped with multiple radio interfaces such as Wi-Fi, Bluetooth and 3G/4G to enable reliable mobile data access anytime, anywhere.

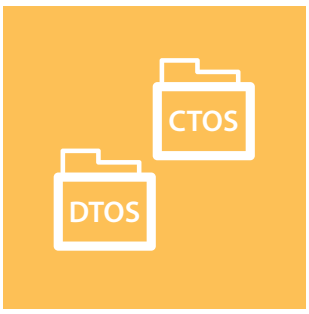
Suite of Accessories

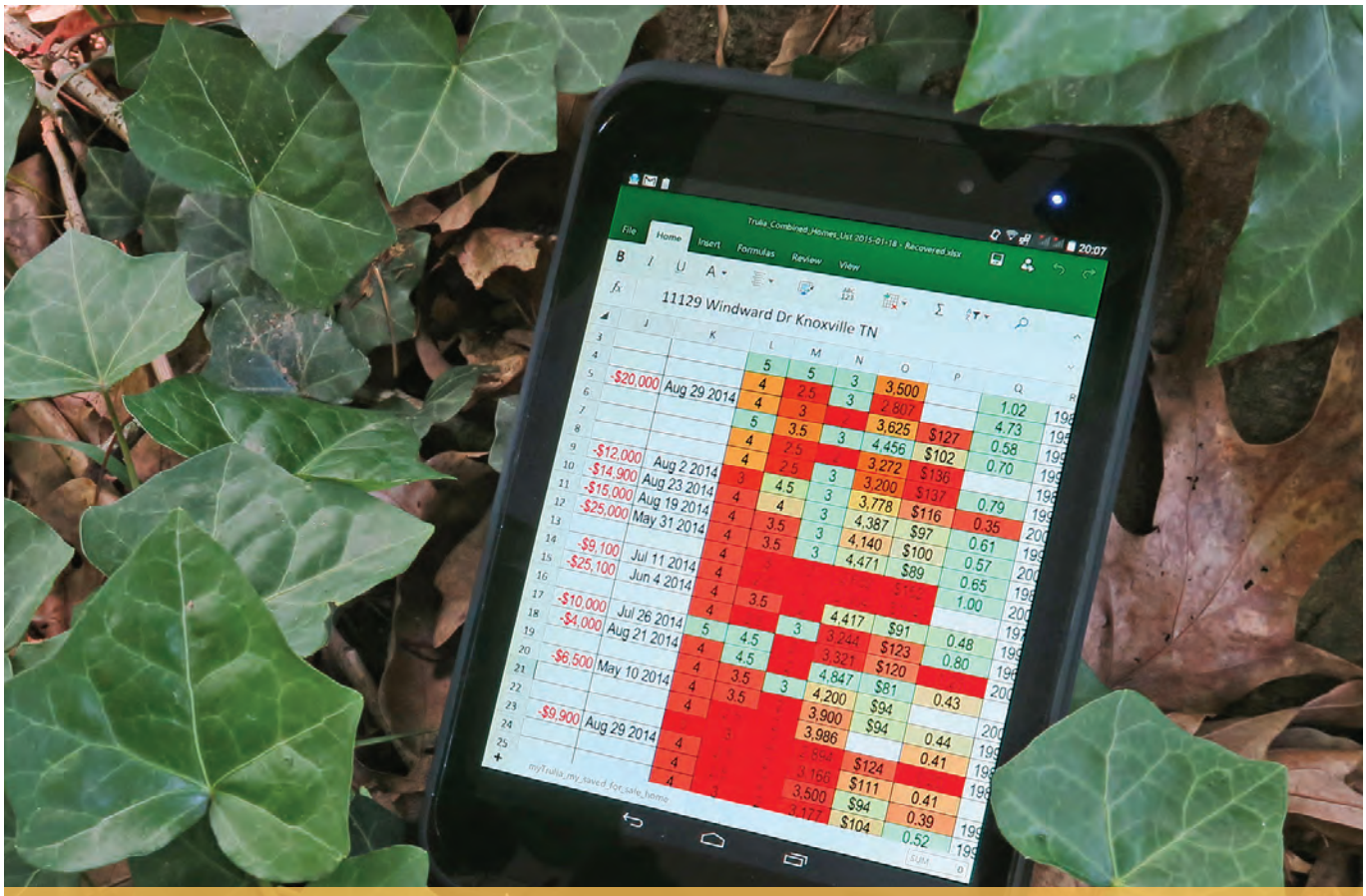
ARBOR offers a full suite of accessories to help customers customize the mobile computing devices to fit their specific needs. From batteries that provide uninterrupted power to chargers, hand straps, holsters, desktop dockings to vehicle cradles, our accessories are built specifically to support customer' s business.

Customization Service

Based on over 20 years of OED/ODM experiences in the IPC field, ARBOR is able to create customized mobile business solutions to meet customer' s diverse requirements for their respective market place. We can provide hardware design customization services such as customized components or peripheral integration. We also provide SDKs for major components like barcode scanner, MSR, RFID/NFC modules, enabling customers to develop their own mobile applications in native code. By providing DTOS/CTOS* service, ARBOR can satisfy customer's requirements, ensuring low cost, excellent manufacturing quality and on time delivery.

*DTOS: Design- to-Order Service; CTOS: Configure-to-Order Service





Rugged vs Consumer Mobile Devices

With the quick rise and wide adoption of consumer mobile devices, it seems that enterprises are given the choice to shift to consumer-grade devices in favor of its lower initial expenditure or the more expensive rugged mobile devices. Consumer-grade devices may not be the ultimate right answer to enterprises, especially for mobile businesses where mobile workforces are typically in the field and need to endure the unpredictable working conditions. That means mobile devices are exposed to a higher risk of being damaged due to drops, dirt, extreme temperature and vibration. Such failures of mobile devices not only lead to the cost of repair, but also the productivity losses and decreased customer satisfaction caused by the downtime.

Consumer-grade portable devices are just designed for consumer; they are not built with the rugged world in mind. In the beginning, ruggedness is often a factor neglected because of its higher purchase price. But in the long term, given that enterprise mobility purchase is usually a 3-to-5 year investment, rugged mobile devices have a lower Total Cost of Ownership (TCO). Evaluating TCO differences is essential for enterprises in selecting the right system that will provide the ultimate value for mobile computing deployments.

Venture Data Corporation (VDC), a leading research authority specializing in mobile computing solutions, has conducted an analysis on mobile computing TCO. The research aims to compare the TOC of non-rugged and rugged mobile devices. The findings were initially published in 2003/2004 and updated in 2013. Both releases concluded that the TCO of rugged mobile computers is in many ways lower when compared to non-rugged mobile computers in similar applications using the same mobile form factor.

Average Annual TCO

According to VDC' s research on average annual TCO as Figure 1 shows, there is a significant TCO saving with rugged devices across all the four mobile categories. In the tablet category the difference is as high as about 40%. That means rugged devices cost less to own, while consumer devices cost more when used in enterprise verticals.

The research also breaks down the TCO into cost incurred of upfront deployment, productivity loss and IT support, as shown in Figure 2. The finding shows that loss in productivity is the largest contributor to TCO. The soft cost, the productivity loss together with the IT support cost, account for almost 90% of the TCO of non-rugged devices. Though the initial acquisition cost are lower with non-rugged device, especially the smartphones, they cost much more to own in the end.

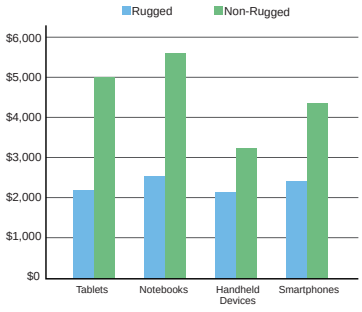


Figure 1: Average Annual TCO by Form Factor
Source: VDC Research 2013

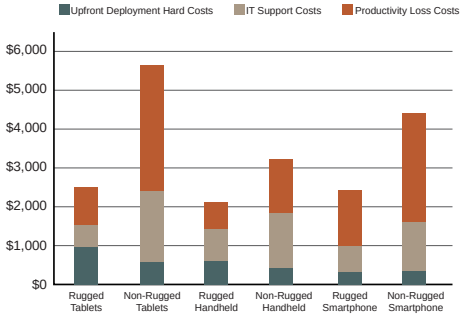


Figure 2: Average Mobile TCO by Form Factor
Source: VDC Research 2012

Failure Rate

VDC' s study also indicates that failure rates for non-rugged devices is higher than for rugged devices, as Figure 3 shows. Failure rate increases with time, but failure rate of non-rugged devices increases dramatically over the same period of time. As for rugged devices, the failure rate is fairly consistent over the 5 years. By year 2 the failure rate of non-rugged devices has risen to 38.5% (Figure 4). By year 3, almost 80% of non-rugged devices need a repair while only 18.2% of rugged devices need a repair.

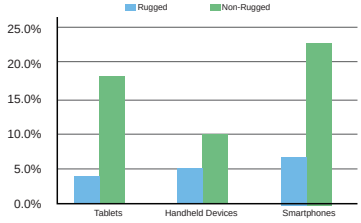


Figure 3: Average Annual Failure Rates by Form Factor
Source: VDC Research 2013

	Year 1	Year 2	Year 3	Year 4	Year 5
Non-Rugged	18.0%	38.5%	82.6%	96.8%	98.5%
Rugged	3.3%	7.8%	18.2%	55.4%	76.2%

Figure 4: Percent of Installed Mobile Computers Replaced by Year
Source: VDC Research 2013

The high failure rate accounts for the high cost of productivity loss and the IT support for non-rugged devices. As consumer devices are vulnerable when deployed in enterprise operation conditions, high repair rate and cost is enviable. When downtime and repairs are figured into the lifetime costs of non-rugged devices, the ultimate price increases substantially.

Life Cycle

Compare to the 3-5 year lifecycle of enterprise rugged devices, consumer mobile devices' lifecycle is pretty short, typically 1-2 years. They are designed to appeal to consumers' rapid appetite for new models, new looks, and first-to-market features. Since it to be replaced almost annually, there is no need for manufacturers to address the durability issue. On the other hand, reliability is important for rugged devices to ensure they can survive the extreme operation conditions for 3-5 years.

Vertical Markets

Logistics and Distribution

Managing Your Delivery Operation Efficiently

Logistics management plays an essential role to an enterprise' s productivity. To accelerate the find-and-move operations in today' s logistics applications, ARBOR has offered a comprehensive range of mobile rugged devices featuring versatile data collection methods, including RFID reader, barcode scanner and megapixel camera. As important as the data retrieval is the real-time communication. By using Wi-Fi or 3G/4G network, customers are able to streamline processes such as job assignments, reports logging and inventory updates. For front line service teams that work in all weather, our products are able to withstand the tough outdoor conditions.

Featured Products


Gladius 5


Gladius 8


Gladius G0975


Gladius G1052C


Gladius G1056


Gladius G1220

Warehouse Management

Increasing Workforce Productivity

ARBOR' s rugged mobile computing devices can help streamline warehouse operations. By implementing our devices equipped with barcode scanners or RFID readers, data collecting can be more accurate and move faster. As a result, receiving, shipping, picking and packing processes can be accelerated, thereby increasing productivity. Our drop-resistant products can be mounted on forklifts/trucks or be taken in hand without worrying about drops and shocks associated with busy day-to-day activities. Also, wireless communication capabilities ensure real-time access to remote control centers to facilitate inventory information retrieving and constant updating. A rugged mobile device is simply the right productivity tool for the warehouse operations.

Featured Products


Gladius 5


Gladius 8


Gladius G0975


Gladius G1052C


Gladius G1056


Gladius G1220

Hospitality

Enhancing Hospitality Efficiency and Guest Experience

In the busy hospitality and catering environments where numerous orders have to be taken and processed, the efficiency of service is as important as the reliability. ARBOR' s rugged mobile PCs are designed to streamline the operation from taking orders, communicating with the kitchen, serving the food and receiving payments. With the mobile computing capabilities and use of MSR and RFID/NFC reader, businesses can service customers and take the transactions directly, no matter where they are located. Our products can also work as self-service kiosks for ordering. Our IP54 and IP65 ratings keep the ARBOR mobile products safe from spill that regularly occur in a hospitality environment. As a result, waiting time and response time per guest is reduced and guest satisfaction will be enhanced.

Featured Products

Gladius 5

Gladius 8

Gladius G10

Gladius G0975

Gladius G1052C

Retail

Meeting Customers' Needs Anytime, Anywhere

In spite of the boosting popularity of online shopping, brick-and-mortar stores are still the dominate format of shopping and accounts for the majority of global retail sales. But earning a sale inside the store has never been more challenging – shoppers are more informed today with higher expectations on service efficiency and effectiveness. Designed for extensive use, ARBOR' s rugged mobile devices can be applied for applications like mPOS, inventory management, shelf stocking and price lookups. With features like high portability, wireless communication capability, and modules like barcode scanner, MSR and RFID/NFC, our devices can help retailers take a more proactive and adaptive approach to enhance customers experience and operation efficiencies.

Featured Products

Gladius 5

Gladius 8

Gladius G10


Gladius G0975


Gladius G1052C

Medical

Better Patient Experience Through Better Communication

Effective communication between healthcare providers and patients is crucial to preventing medical errors and incidents helping to ensure patient safety. To achieve accurate and instant information and data transfer, mobile computing devices can offer great assistance. Wireless-capable mobile devices offer seamless real-time access to patient or hospital information system. Barcode scanner or RFID reader allows faster and more accurate data collection like patient identification, medical record and specimen collection. The mobile devices facilitate the migration from paper to real-time processes and enable hospital organizations to optimize workflows and deliver a faster and higher quality medical service. The result is reduced costs, higher efficiency and better patient experience.

Featured Products

Gladius 5

Gladius 8

Gladius G0975

Gladius G1052C

Products Selection Guide

Model	Gladius 5	Gladius 8	Gladius 10
Dimensions(WxHxD)	84.0 x 175.6 x 15.9 mm	145.0 x 218.0 x 19.8 mm	278.4 x 190.7 x 22.9 mm
CPU	MTK MT6589 Quad-core Cortex™A7 1GHz	MTK MT8382 Quad-core Cortex™A7 1.3GHz	MTK MT8392 Octa-core Cortex™A7 2.0GHz CPU
Graphics	-	-	-
Memory	1GB	1GB	2GB
Storage	8GB	8GB	16GB
Camera	1 x 2.0 MP (Front) 1 x 8.0 MP (Rear)	1 x 2.0 MP (Front) 1 x 8.0 MP (Rear)	1 x 2.0 MP (Front) 1 x 13.0 MP (Rear)
WLAN	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Bluetooth	Bluetooth 4.0 + EDR	Bluetooth 4.0 LE + EDR	Bluetooth 4.0 LE + EDR
WWAN	WCDMA UMTS 850/1900/2100M	WCDMA UMTS 850/1900/2100M	3G HSPA+(21/5.76 Mbps), GPRS, EDGE
LAN	-	-	-
Audio	1 x Mic, 1 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 1 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 1 x Speaker, 1 x 3.5mm headphone jack
SD card slot	1 x microSD/SDHC	1 x microSD/SDHC	1 x microSD/SDHC
Serial Port	-	-	-
Video Output	-	1 x Mini HDMI 1.4	1 x Mini HDMI 1.4
USB Port	1 x Micro USB 2.0	1 x Micro USB 2.0	1 x Micro USB 2.0
Display Size/Type	5.5″	7.85″	10.1″
Max Resolution	1280 x 720	1024 x 768	1280 x 800
Touch Screen Type	Projected Capacitive Multi-Touch	Projected Capacitive Multi-Touch	Projected Capacitive Multi-Touch
Light Transparency	80% (typ.)	80% (typ.)	80% (typ.)
Power Adapter Input	100~240VAC	100~240VAC	100~240VAC
Power Adapter Output	DC 5V, 1.5A	DC 5V, 1.5A	DC 5V, 2A
Battery	1 x 3600mAh	1 x 6200mAh	1 x 9300mAh
Optional			
Smart Card Reader	-	-	-
Barcode scanner	Y	Y	Y
RFID & NFC	Y	Y	Y
Stylus	-	-	-
Docking	Y	Y	-

Coming Soon

Coming Soon

Model	GT-500	IoT-500
Dimensions(WxHxD)	85 x 165.8 x 23.1mm	149.3 x 110 x 36.8mm
CPU	MTK M6735 Cortex-A53 Quad Core 1.3GHz	MTK MT2601 Cortex-A7 Dual Core 1GHz
Graphics	-	-
Memory	2GB	512MB
Storage	16GB	4GB
Camera	1 x 2.0 MP (Front) 1 x 13.0 MP (Rear)	1 x 2.0 MP (Front)
WLAN	802.11 a/b/g/n	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.1 LE+HS
WWAN	FDD-LTE / TD-LTE / WCDMA / TD-SCDMA / CDMA (1x+EVDO) / GSM / GPRS	2G GSM/GPRS/EDGE (Band 850/900/1800/1900) 3G WCDMA/HSPA+ (Band 1,2,5,8)
LAN	-	1 x 10/100 Mbps
Audio	FM, 1 x Mic, 1 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 1 x Speaker
SD card slot	1 x microSD card slot	-
Serial Port	-	1 x RS-232/422/485
Other I/O	-	CAN 2.0b, 4 x Digital GPIO
USB Port	1 x Micro USB 2.0	1 x USB 2.0
Display Size	5"	5"
Max Resolution	1280 x 720	960 x 540
Touch Screen Type	Projected Capacitive Multi-Touch	Projected Capacitive Multi-Touch
Light Transparency	-	-
Power Adapter Input	100~240VAC	100~240VAC
Power Adapter Output	DC 5V, 2A	DC 12V-24V
Battery	1 x 4000mAh	-
Optional		
Smart Card Reader	-	-
Barcode scanner	Y	-
RFID & NFC	Y (NFC)	-
Antenna	-	Y
Docking	Y	




Model	Gladius G0975/S	Gladius G1052C/CS	Gladius G1056	Gladius G1220
Dimensions(WxHxD)	258 x 198 x 22.5 mm	294 x 205 x 25 mm	266.8 x 257.7 x 67.7 mm	320 x 246 x 29.5 mm
CPU	Intel® Celeron® Processor N2930 1.83 GHz	Intel® Celeron® Processor N2930 1.83 GHz	AMD G-Series APU G-T56N 1.65GHz	Intel® Atom™ Processor N2600 1.6GHz
Chipsets / Graphics	N/A/ Intel® HD Graphics	N/A/ Intel® HD Graphics	AMD A50M/ Radeon HD 6320	Intel® NM10/ Intel® GMA3600
Memory	2GB DDR3L SO-DIMM	2GB DDR3L SO-DIMM	4GB DDR3 SO-DIMM	2GB DDR3 SO-DIMM
Storage	1 x 32GB MLC mSATA SSD	1 x 32GB MLC mSATA SSD	1 x 32GB 1.8″SATA SSD	1 x 32GB MLC SSD
Camera	1 x 5.0 MP	1 x 5.0 MP*	1 x 5.0 MP (rear) 1 x 5.0 MP (front)*	1 x 5.0 MP (rear)*
WLAN	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 2.1 + EDR	Bluetooth 4.0
WWAN	-	HSUPA/HSPA+/LTE*	HSUPA 3.75G*	-
LAN	-	-	1 x GbE	1 x GbE
Audio	1 x Mic, 2 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 1 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 2 x Speaker, 1 x 3.5mm headphone jack	1 x Mic, 2 x Speaker, 1 x earphone jack, 1 x MIC jack
SD Card Slot	1 x microSD/SDHC/SDXC	1 x SD/SDHC/SDXC	-	1 x SD/SDHC
Serial Port	-	-	1 x RS-232*	2 x RS-232
Video Output	1 x Mini HDMI 1.4	-	1 x VGA, 1 x Mini Displayport	-
USB Port	1 x USB 3.0 1 x micro USB 2.0	1 x USB 3.0	4 x USB 2.0	4 x USB 2.0
Display Size/Type	9.7″	10.4″	10.4″	12.1″
Max Resolution	1024 x 768	1024 x 768	1024 x 768	1024 x 768
Touch Screen Type	Projected Capacitive Multi-Touch	Projected Capacitive Multi-Touch	Analog Resistive touch	Analog Resistive touch
Light Transparency	80% (typ.)	80% (typ.)	80% (typ.)	80% (typ.)
Adapter Input	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC
Adapter Output	DC 19V, 3.42A, 65W	DC 19V, 3.42A, 65W	DC 19V, 4.74A, 90W	DC 19V, 4.74A, 90W
Battery	1 x 2270mAh 1 x 2270mAh*	1 x 2500mAh 1 x 1880mAh*	2 x 2500mAh	2 x 1880mAh
Optional				
Smart Card Reader	-	Y	-	-
Barcode scanner	-	Y	-	-
Phone	-	-	-	-
RFID & NFC	Y	Y	Y	-
Stylus	-	Y	Y	Y
Docking	Y	Y	Y	Y

*Optional

Accessories

Gladius 5

Desktop Cradle w/
Wireless Charger

In-Vehicle Docking w/
Wireless Charger

4-in-1 Battery
Charger

Thermal Printer

3-in-1 Holster

Waist Holster

Gladius 8

Desktop Cradle w/
Wireless Charger

In-Vehicle Docking w/
Wireless Charger

3-in-1 Holster

Thermal Printer

Gladius 10

Thermal Printer

GT-500

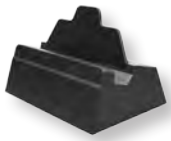
Pistol Grip

Desktop Cradle

Hand Strap

Accessories

Gladius G0975/S



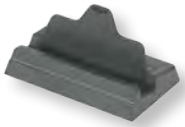
Desktop Cradle

Vehicle Cradle

mPOS Cradle

Neck Strap

Gladius G1052C/CS



Desktop Cradle

Battery Charger

Mount Bracket

Neck Strap

Capacitive Touch Pen

Hand Strap

Gladius G1056

Battery Charger

Wall-Mount Cradle

Digitizer Stylus

Shoulder Strap

Gladius G1220

Desktop Cradle

Desktop Stand

Shoulder Strap

pCap Stylus

One-handed Holder

Leverage Rugged Mobility to Optimize Your Business

ARBOR

www.arbor-technology.com