



# WHAT IS MOBILE-/TOUCH COMPUTING?

Mobile computers are rugged and enterprise class devices for hazardous areas with extensive wireless communications options and advanced data capture capabilities that allow mobile, on the go workers to exchange real-time, business-critical information whenever and wherever it's needed.

Mobile computing devices can be used by employees inside the enterprise or out on the road and field, wherever hazardous areas are present.

Enterprises of all sizes are embracing mobile solutions across almost all functions of their operations. They view mobility as a strategic benefit and are seeking broader applications across more functions.

## WHAT ARE MOBILE-/TOUCH COMPUTING APPLICATIONS?

Mobile computing applications are generally specific to businesses and their pain points. Below are some examples of industries with hazardous areas where mobility solutions can be used effectively.

### – MANUFACTURING

A manufacturer can gain visibility into their work in process and quality metrics in their factories.

### – TRANSPORTATION AND LOGISTICS

It can provide a company with an easy and reliable way of providing proof that packages have been received in perfect condition.

### – EDUCATION

It can ensure that workers have information at their fingertips to enhance not only their learning environment but also their safety while working in hazardous areas.

Applications for the workforce include those who work in the back-of-house like warehouse and inventory personnel, and those who work in the field like service technicians.

Each working environment places requirements on the mobile computing



devices. When you look at ruggedness requirements workers in hazardous areas are typically in a harsher environment with concrete floors, dust and dampness. They need rugged and often the most rugged devices

Field workers perform a large range of tasks in varying environments. From service assignment out in the field to documenting the tasks in the office.

All mobile workers need access to enterprise data and most need voice communication between team members. For workers, devices that can simply connect to the enterprise's WLAN will enable those functions.

Field workers must also have WLAN connectivity to send and receive mission critical data. Often, field workers also need cellphone functionality, the ability to see the display screen in bright sunlight and the location services of GPS all in one device.

Lastly, the devices form factor must be considered, larger gun-style devices work well for back of house. This goes even further for field workers, where many require a device that can fit in their pocket but still provide all the needed functionality.

Worker type and application considerations drive the selection and configuration of mobile computing devices.

## WHAT ARE THE BENEFITS OF MOBILE COMPUTING?

### – USER PRODUCTIVITY

On average, employees are up to 14% more productive using mobile devices through reducing time spent in acquiring information needed on-the-job.

### – IT COST

IT operations cost reductions can account for up to 20% of the total savings gained by moving to mobile solutions. Changing the way mobile workers use IT can also greatly reduce the requirements for older IT infrastructure.

### – BUSINESS OPERATIONS COST

Enterprises are focused on automating business processes and increasing information distribution and flow – two improvements that mobile solutions help achieve.

### – IT STAFF PRODUCTIVITY

Consolidating mobile apps and communications onto one platform, reducing the number of devices used by employees, and infrastructure enhancements brought by mobile solutions provides more time for IT staff to support other business activities.



Every day, the need for mobility is spreading through the enterprise into more business functions and workgroups and mobility enables the upmost in efficiency, accuracy and accountability with real-time voice and data access delivered right at the point of business activity. Through the power of mobility, enterprises can put the tools of the desktop in the hands of mobile workers everywhere in hazardous areas whether workers are inside the four walls or out in the field. Mobility will enable the completion of virtually any task right on the spot.

Efficiency and accuracy are maximized through real-time secured access to virtually any application, intranet and internet sites as well as real-time voice, up to the minute data can flow easily through the enterprise in real-time, ultimately providing the information needed to ensure the right action is taken at the right time, every time.





# EXPLORE BARTEC'S RANGE OF MOBILE COMPUTER

BARTEC has been working with Zebra Technologies for over 25 years adapting their market-leading handheld devices so they are intrinsically safe for use across all hazardous area classification.

## IN TOUGH ENVIRONMENTS...

you could select the **TC77-NI – Ultra Rugged Touch Computer**. This Android Touch handheld device provides a smartphone experience and delivers everything your workers need in a Zone 2/22 and Class I,II,III Div 2 environment, to achieve peak efficiency, with trouble-free reliability and no chance of sparking. Virtually waterproof, drop-proof, dust-proof and tumble-proof, the TC77-NI comes with a Gorilla Glass touch panel and imager window that offer maximum scratch-resistance and shatter proofing. This device also features Bluetooth 5.0, a front facing 5MP camera, Push-to-Talk (PTT) and video calling.

## CONSIDERING LOW-COST MOBILE PHONES FOR YOUR WORKERS?

Step up to the business-class durable **TC26-NI Touch Computers** - without stepping up in price. Choose the connectivity your workers need in a Class I,II,III Div 2 environment –the Wi-Fi/cellular TC26-NI which now supports CBRS. Then choose the features that will allow your workers to improve task accuracy and on-the-job efficiency. Validated by Microsoft Teams to now run the Walkie Talkie app.

## IF YOU REQUIRE EXTENSIVE SCAN RANGES (UP TO 21.4 METERS) IN TOUGH CONDITIONS

then the **MC93-NI –Handheld Mobile Computer** may be ideal. This device is one of the world's best-sellers for use in Zone 2/22 and Class I,II,III Div 2 environments. Simple to use, with a large touch display, it delivers excellent processing power from its 8-core processor, memory and data capture capabilities. This is coupled with a fantastic Wi-Fi range and speed, near instant application response times, unmatched roaming and exceptional voice/PTT quality.

## WHEN IT COMES TO EMPOWERING WORKERS IN SMALL AND MEDIUM-SIZED BUSINESSES...

the **MC27-NI – Mobile Computer** deliver “no compromise” affordable mobility. Connect practically any worker, in Zone 2/22 and Class I,II,III with WiFi/cellular data. The touchscreen and keypad provide superior application flexibility. Unparalleled ergonomics set the bar for comfort. The right level of ruggedness delivers dependable operation. And Mobility DNA tools make your devices easier to use, manage and secure.

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## CONTACT US

**Do you work in a potentially explosive environment and believe your teams could benefit from greater efficiencies through using handheld devices?**

Contact our team for hazardous area-safe solutions:

Visit: [www.bartec.com](http://www.bartec.com) | Call: **+49 7931 597 000** | Email: [info@bartec.com](mailto:info@bartec.com)