

Which device is best in potentially explosive environments?

Do you work in a potentially explosive environment and believe your teams and sites could be at risk from sparking caused by handheld technologies? If so, you may clearly be cautious about implementing these devices. Yet handheld devices in manufacturing and logistics will provide key efficiency boosting benefits – benefits that can make your team more productive, for greater competitive advantage and business growth. So, how can you keep pace with digitization in your sector, yet do so safely to protect employees and bricks and mortar?

Intrinsically safe devices

BARTEC provides leading **handheld devices** for use in warehousing and manufacturing, and makes them intrinsically safe. This means that the device is incapable of ignition even in the event of up to two independent faults, and it can be used safely throughout all hazardous area classifications. In simple terms, there's no chance of your BARTEC device being a danger as a source of ignition on your premises, so you can implement productivity enhancing technologies, worry-free. Our solutions are in use across a wide range of sectors where explosions may occur, from the oil and gas industry to chemical, petrochemical and pharmaceutical sectors, distilleries, mining, and airports – anywhere a potential explosive area exists.

Our partnership with Zebra Technologies

We partner with Zebra Technologies and we make their renowned handheld devices intrinsically safe. Our team transforms Zebra's rugged mobile devices to make them certified for use in potentially explosive areas that are typically classed as:

- **Zone 1/Division 1:** Where the risk of explosion is present under normal operating conditions
- **Zone 2/Division 2:** Where hazards are only present under abnormal operating conditions

Which device is right for you?

All BARTEC handheld devices are safe and suitable for use in environments where an explosion could occur. Yet the functionality of each device is slightly different. Let's take a closer look to help you find out which is right for your own particular use case.

TC77-NI

– Ultra-Rugged Touch Computer

This Android Touch handheld device delivers everything your workers need in a Zone 2/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. Tough yet touch capable, it provides a smartphone experience for maximum simplicity; it can withstand years of the toughest everyday use and abuse; and offers a new platform delivering far more features than any other device in this class. This device also features Bluetooth 5.0, a front facing 5 MP camera, Push-to-Talk (PTT) and video calling.

[Visit the TC77-NI web page>](#)



BSC3600-NI

– Ultra Rugged Barcode Scanner

Built to excel in the harshest environments, the BSC3600-NI can survive in the blazing heat, in blasting jets of water and in rain and snow. It offers fast data capture of 1D and 2D barcodes (even scratched, dirty, poorly printed, under shrink-wrap, or covered in frost) from 7ft and can scan up to 20 barcodes in a single press of the trigger. It also scans photos, signatures, OCR data and documents. It features a battery charge gauge, can be corded or cordless, and importantly, it is certified to the strictest Ex safety standards for use in Zone 2 and Class I, Div 2 areas. It provides unprecedented durability, superior scanning performance and peace of mind, through safe operation in your potentially explosive environment.

[Watch the video>](#)

MC93-NI

– Handheld Mobile Computer

The Android MC93-NI is one of the world's best-selling and most trusted enterprise mobile computers for use in Zone 2/ Div 2 environments. Simple to use, with a large touch display, it delivers excellent processing power, memory and data capture capabilities. It also features extensive scan ranges up to 21.4 meters. It's incredibly rugged and survives the harshest environments– and includes PowerPrecision+ battery technology for longer cycle times and real-time visibility into battery metrics. You also get fantastic Wi-Fi range and speed, near instant application response times, unmatched roaming and exceptional voice/PTT quality. Not forgetting the ultra-powerful 8-core processor to deliver superior performance.

[Get the MC93 spec sheet>](#)

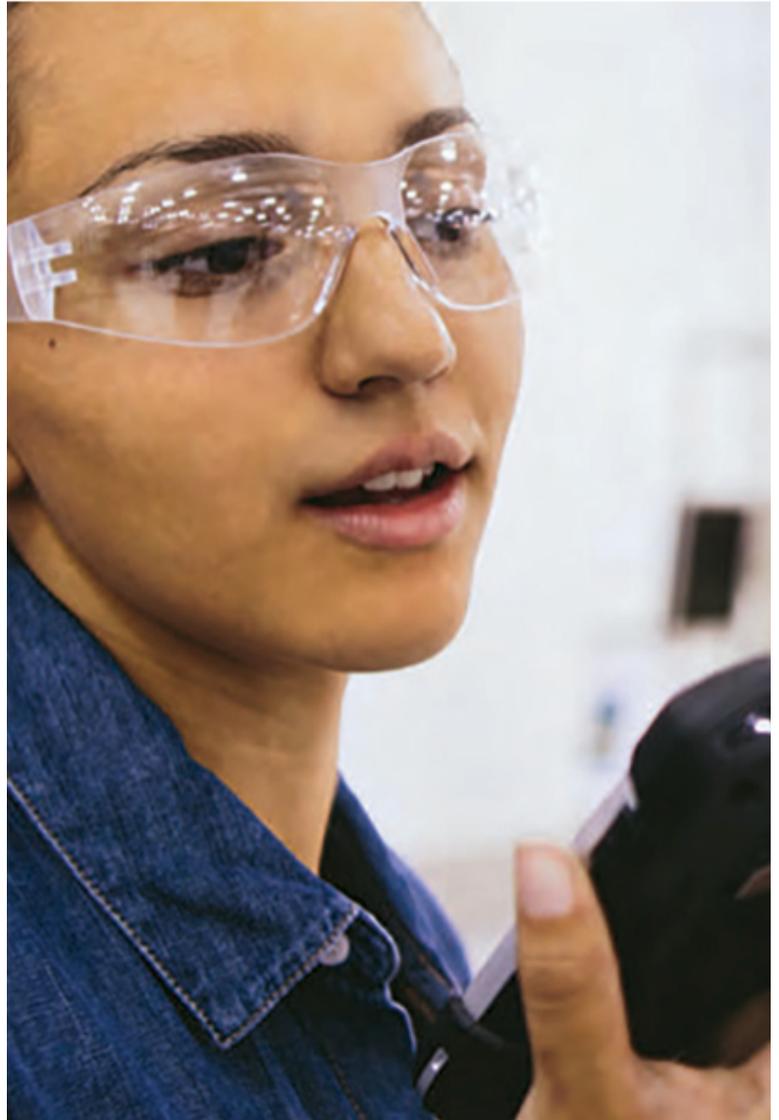
Mobility DNA

Mobility DNA from Zebra Technologies is a key feature on BARTEC devices, adding functionality as well as simplifying deployment and management, while delivering standout connectivity. Mobility DNA transforms Android devices into an enterprise-ready force, making application management simpler, integration problem-free and operations highly productive. It breaks down communication barriers and brings workers together into one cohesive team with streamlined workflows.

[Read more about Mobility DNA>](#)

Although this article may have helped you to understand more about the devices we offer there is, of course, more information available than we have space for here. We suggest reading each of the specification sheets we have linked to (above) and making further comparisons.

Please do not hesitate to call our team to work out which of the devices is best suited to your needs. We are more than happy to discuss your own unique situation and suggest the most suitable device for your circumstances.



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

Call: **07931 597 000**

Email: info@bartec.com