



Home
Automation
Design Solutions
Electrical Engineering
Electronics
Factory Equipment
Instrumentation
Process & Control
Irish Manufacturing
Energy Management
Industrial Compliance
Materials Handling & Logistics
Supplier Search
Story Search
BSEE
Independent Electrical Retailer
Electrical Wholesaler
Advertising
Partners
About Us

13 April 2011

## Embedded technology is key to success

The latest in embedded processing technology offered by Digi International's ConnectCore 9M 2443 module has allowed key and equipment management solutions specialist, Traka, to develop key cabinets with a touch screen user interface using embedded Microsoft Windows CE with colour touch screen technology.

Traka is a specialist in key and equipment management solutions and its systems are employed in a variety of sophisticated and demanding environments, from police forces and hospitals through to commercial distribution centres and rugged military applications. Through the use of key cabinets, electronic tagged keychains and an integrated reporting software, Traka's key management systems enable organisational and asset security by providing an electronic way to control, monitor and record access to keys.

Traka is, first and foremost, a solution-providing company, and when customers started to go to them with increasingly complex key access and control situations they realised they needed to develop their product range to support more advanced solutions. According to Duncan Winner, Traka's technical director, the company prides itself on being a forward-thinking business that is always one step ahead when it comes to developing new and innovative key management solutions. Based on this drive to innovate, Traka decided to produce a key management solution that would not need to be integrated with an existing IT network, but instead would function as a stand-alone system that could be built into the key cabinets. Since their existing systems relied upon eight bit cores and were limited in their functionality, Traka needed to source an embedded module to provide the superior technology to realise its goal.

After researching providers, Traka selected Digi International because of its reputation as a market leader for embedded networking products, and for the comprehensive functionality and competitive pricing of Digi's ConnectCore 9M 2443 module.

"Digi's ConnectCore 9M 2443 represented the latest in embedded processing technology, which set us ahead of the game" says Winner. "From a technological standpoint the ConnectCore 9M 2443 is fantastically comprehensive, with a wide variety of peripheral interfaces and a 32 bit core processor packed into one module. That means, from a business perspective, Digi's technological expertise allows us to develop innovative solutions that we can then get to the market faster".

Working closely with Digi, Traka successfully developed the Traka Touch, which was launched in mid-2010. Traka Touch is the first in the industry to use embedded Microsoft Windows CE with colour touch screen technology to provide a touch-screen user interface on the key cabinets. Traka Touch technology uses Digi's ConnectCore 9M 2443 module as a system platform to provide a solution that is sophisticated - in that it allows for complex key system management and tracking, but also simple - in that it is easy to use and install, without involvement by the IT department.

As Traka was new to embedded modules and Windows CE platforms, one of the key benefits of the Digi ConnectCore 9M 2443 module was the Digi JumpStart Kit which allowed for immediate and professional embedded product development, right out of the box. "The kit gave us everything we needed" says Winner. "The support and knowledge provided by this function makes the Digi ConnectCore 9M 2443 simply far superior to the rival solutions available on the market".

Since the launch of Traka Touch, the company has received new business opportunities representing system orders in the thousands. "These new business opportunities wouldn't exist if we hadn't developed Traka Touch with Digi," says Martyn Baker, Traka's marketing manager. "Going forward, we plan to have our entire product range fitted with our Traka Touch technology, supported by Digi's modules."

Furthermore, Traka is looking to Digi products for its future solutions. "Our contacts at Digi constantly keep us updated on the new technologies Digi has to offer and we often brainstorm how we could use them to offer innovative solutions to our customers," Winner explains. "We have an excellent relationship with Digi and are constantly impressed by their commitment to working together with their partners to develop and improve their product offerings. Digi is our partner in innovation and we rely on them to keep ahead of the times as much as we do," Winner concludes.

Source: [Automation](#)

Printable version  
 E-mail to a friend

### Click on images



### External weblinks

Connecting Industry is not responsible for the content of external internet sites.

- [Digi International \(UK\) Ltd](#)

### Related articles

- [Wireless sensor technology helps prevent floods and forest fires](#)
- [Digi chooses Ericsson for M2M apps](#)
- [Cellular gateway offers low cost remote asset tracking](#)
- [Cellular gateway connects remote devices](#)

