

Business Solutions Team



Unique Micro Design's (UMD) **Business Solutions Team** supports Resellers and Customers in the design and deployment of **edgware solutions** including **RFID** and **Intelligent Sensor Networks**.

Edgware solutions provide data capture and interfacing of fixed and mobile devices in and around the "edge" of the enterprise system that provides the man/machine or terminal interfaces.

Due to the growing complexity of "edgware" and integration issues, specialised skills are required to collect, manage and interface data between terminal devices and the enterprise software application.

Much of this work requires unique knowledge and skills in terminal devices, protocols, interfacing, networking, wireless, physics and electronics!

These skills can be summarised by our ability to provide **engineering ICT solutions**, which reflects UMD's ability to:

- **Design** and modify electronic terminal products
- **Select** and integrate terminals from UMD's key agencies
- **Support** through UMD's professional, software and support services to solve customer specific needs.

Development Platforms

UMD has developed a range of hardware and software development platforms and methodologies, which when combined with our Professional Services, enable the rapid design, development and deployment of customer specific solutions.

UMD Platform products and services include:

- **UMD-Edge™: Edgware Device Management Platform** – This is an ICT platform that enables Enterprise Systems to relegate responsibility for control, management and monitoring of *Edge* Devices, such as RFID, barcode readers, actuators, sensors and human interface terminals. **UMD- Edge™** is based on next generation message management software, which moves data capture functionality from Enterprise Systems to locally based network devices.
- **UMD-AMP™: Asset Management Platform** - This is a collection of software libraries and development tools, that enable the rapid development of customer specific asset based management system. UMD-AMP™ is provided as a hosted, managed service.
- **UMD-PXA™: ProtoLink™ eXtended Architecture** – This is a UMD designed and developed low cost embedded microcontroller and peripherals, specifically designed for the rapid development of human interface terminal devices. Typical functional requirements include keyboard, display, communications and digital inputs and outputs.
- **Agile Programming Methodology** - Agile programming is based on development teams which are intimately involved with stakeholders and software users. Software functional requirements are based on face-to-face conversations rather than on documentation. These conversations provide a continuous dialogue for software design, testing and refocusing.

For details please contact our **Business Solutions Team**

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