

We are Australia's leading IoT / RFID engineering IoT solutions company, servicing the Automatic Identification and Data Capture (AIDC) industry.

At **UMD**, we help organisations "*add eyes and ears to software*" — giving enterprise systems real-world awareness through automated data capture, intelligent devices, and edge-to-cloud integration.

This enables companies to:

- Improve productivity through automated data capture
- Access specialised custom and standard electronic products
- Adopt Physical AI and Industry 4.0 / 5.0 practices

Physical AI and Industry 4.0 / 5.0 are about connecting edge technologies — **RFID, IoT, sensors, machine vision, and terminals** — to enterprise software, enabling AI and autonomous agents to deliver insights, automate workflows, and enhance operational resilience.

With over **40 years of engineering experience**, we design and deliver interconnected solutions through our deep expertise across three core domains.

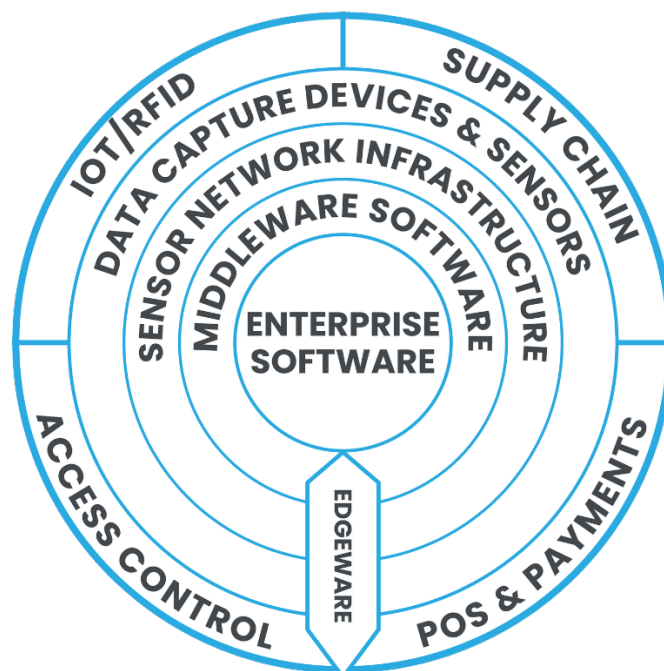
1983
Founded

40+ yrs
Engineering

Clayton
VIC, Australia

Edgeware
Specialists

3
Core Domains



Our Three Core Domains

UMD engineers interconnected edge solutions that integrate vertically and horizontally to meet customer-specific needs — spanning the devices people use, the devices that sense and act on their own, and the software and services that tie everything together.

01 Human Interface Devices (HID)

The devices people interact with directly:

- Mobile and computer terminals
- Barcoding
- Point of service, kiosk and vending
- Wireless and networking

This spans mobility terminals, tablets, PDAs, wearables and vehicle-mounted computers; touchscreen POS terminals with cash drawers and peripherals; handheld and wearable barcode and RFID scanners; and industrial, desktop and portable printers — all backed by procurement, device pre-configuration, mobile device management, deployment and after-sales support.



MOBILE TERMINALS



CUSTOM DEVICES



POINT OF SERVICE

02 Autonomous Interface Devices (AID)

The devices that sense and act on their own:

- IOT / RFID
- Fixed barcode scanners
- Machine vision
- Embedded systems and interfaces
- Sensors

This includes fixed, handheld and OEM RFID readers, portals, antennae and tags; IoT gateways, devices and sensors across BLE, cellular, LoRa, Wi-Fi and wired networks; OEM scanner and embedded modules; and the integration of intelligent sensor networks that capture data from edgware devices in real time.



RFID PORTALS



FIXED READERS



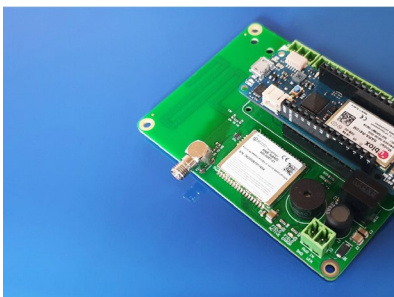
IOT & SENSORS

03 UMD Value Add — Software & Services

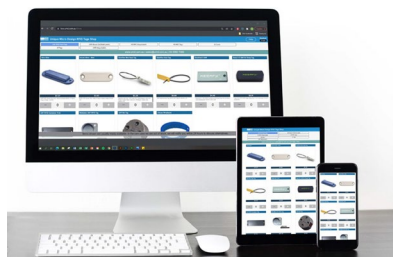
The expertise that ties everything together:

- Systems
 - systems architecture & integration
 - wireless infrastructure & networking
 - hosting services - secure, high reliability
 - deployment and after sales support
- Software
 - embedded, mobile & applications
 - middleware & cloud
 - payment service provider - credit card payment gateway
- Engineering
 - electronic products design - controllers and interfaces
 - manufacturing and assembly
 - research and development

Our in-house engineering is complemented by managed cloud platforms — CardGate (a PCI-DSS payment gateway), UMD BOS (e/commerce platform), CHARIOT (IoT broker & applications), RACEWARE (retail / RFID), and VAST-BE (access control & vouchers)



ELECTRONIC DESIGN



CLOUD PLATFORMS



PAYMENT GATEWAY

Markets We Service

01 Lines of Business (LoB)

Supply Chain & Mobility

Provides mobility, warehousing & asset solutions



IOT

Industrial IoT monitoring and control



Venue Access

Patron access control, ticketing & redemptions



Retail

POS systems, RFID and redemptions solutions



Payments

Payment Service Provider PSP to the CBA



Engineering

Electronic products design & manufacture



02 Markets



UMD - *“adding eyes and ears to software.”*

03 Managed Edge Solutions

