UMD Edge Solutions

Your gateway to the real world of AIDC, IoT and Industry 4.0

Unique Micro Designs (UMD) Edge Solutions is a Managed Service provided by UMD, used to supply "edge solutions" as a service for businesses and organisations, to solve their needs for productivity improvement. This is achieved by adding real time visibility and control to software using edgeware, IoT and UMD's engineering IoT solutions skills, reflecting UMD's unique ability to:

Design and manufacture IoT devices and interface electronics

Source and integrate ICT products from our agencies

Support through our professional engineering services around software, electronics, IT and services
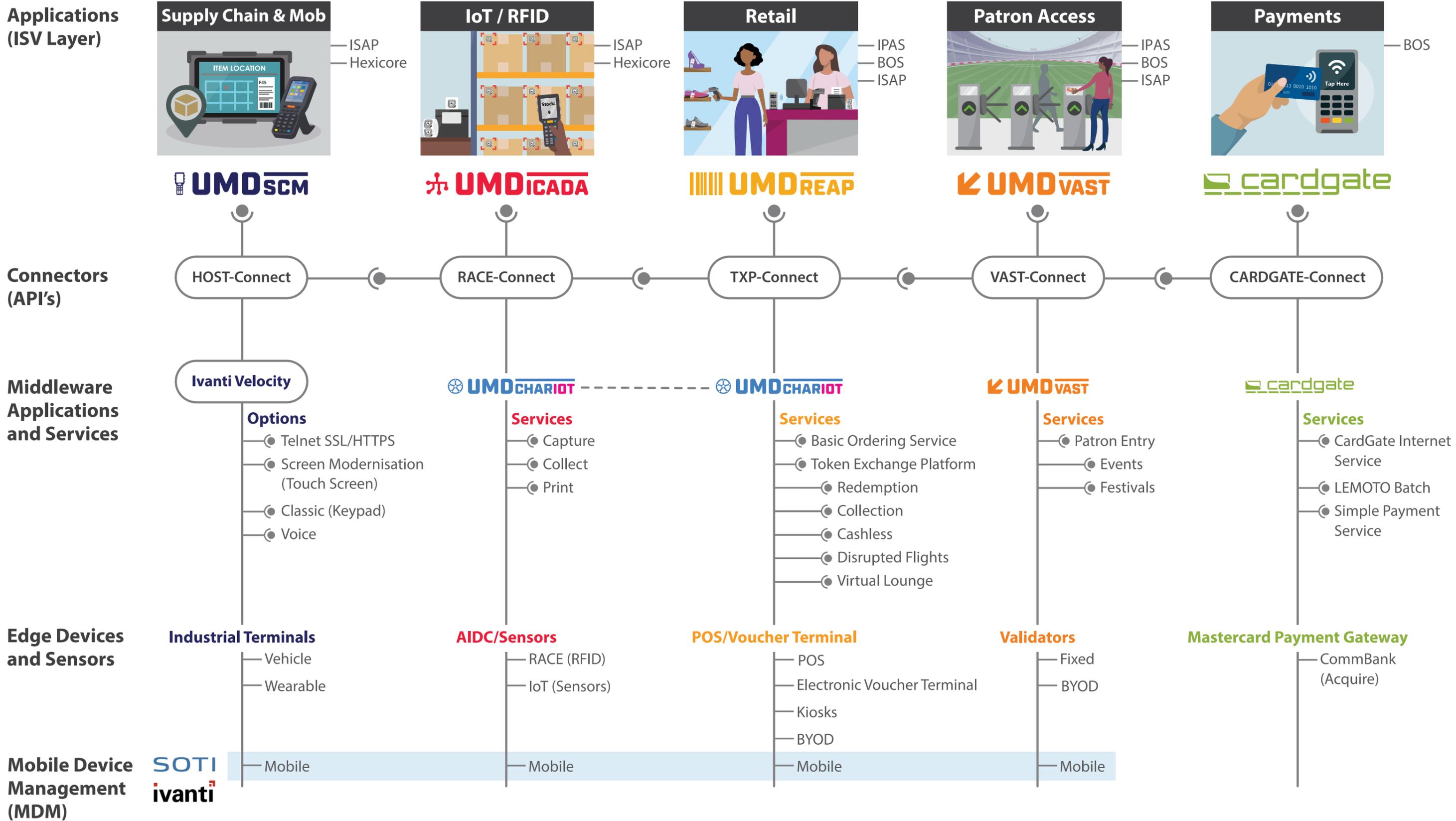
Advantages:

• Conserve resources • Leverage expertise and experience • Low impact on Enterprise IT

UMD Edge Solutions enables businesses and organisations to efficiently add visibility to enterprises with minimal organisational IT involvement.

"Adding eyes and ears to software"

UMD EDGE SOLUTIONS

Your gateway to the real world of AIDC, IoT and Industry 4.0

UNIQUE MICRO DESIGN
...Engineering IoT Solutions

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Applications (ISV Layer)

Supply Chain & Mob	IoT / RFID	Retail	Patron Access	Payments
— ISAP — Hexicore	— ISAP — Hexicore	— IPAS — BOS — ISAP	— IPAS — BOS — ISAP	— BOS

UMD SCM — **UMD ICADA** — **UMD REAP** — **UMD VAST** — **cardgate**

Connectors (API's)

HOST-Connect — RACE-Connect — TXP-Connect — VAST-Connect — CARDGATE-Connect

Middleware Applications and Services

Ivanti Velocity — UMD CHARIOT - - - - - UMD CHARIOT — UMD VAST — cardgate

Options	Services	Services	Services	Services
◉ Telnet SSL/HTTPS	◉ Capture	◉ Basic Ordering Service	◉ Patron Entry	◉ CardGate Internet Service
◉ Screen Modernisation (Touch Screen)	◉ Collect	◉ Token Exchange Platform	◉ Events	◉ LEMOTO Batch
◉ Classic (Keypad)	◉ Print	◉ Redemption	◉ Festivals	◉ Simple Payment Service
◉ Voice		◉ Collection		
		◉ Cashless		
		◉ Disrupted Flights		
		◉ Virtual Lounge		

Edge Devices and Sensors

Industrial Terminals	AIDC/Sensors	POS/Voucher Terminal	Validators	Mastercard Payment Gateway
— Vehicle	— RACE (RFID)	— POS	— Fixed	— CommBank (Acquire)
— Wearable	— IoT (Sensors)	— Electronic Voucher Terminal	— BYOD	
		— Kiosks		
		— BYOD		

Mobile Device Management (MDM)

SOTI
ivanti

| — Mobile | — Mobile | — Mobile | — Mobile | |

"Adding eyes and ears to software"

Discovery ▶ Architecture ▶ Proof of Concept ▶ Development ▶ Engineering ▶ Delivery ▶ After Sales Support ▶ Enhancements

Technology Stack:

UMD Edge Solutions comprises of the following technology stack which is designed, developed, delivered and supported by UMD:

- Edge Devices and Sensors
- Gateways and Connectivity
- Device Management
- Middleware Application and Services
- Intelligence Enablement
- Hosting Services
- Connectors / API
- Applications

- Services
- Pre-sales Consulting
- Architecture
- Proof of Concept
- Engineering and Development
- Delivery and Deployment
- After Sales Support
- Enhancements

Solution Platforms:

Based on API economy, Edge Solutions enables both vertical and horizontal integration. This provides UMD with its Unique Selling Proposition (USP) which is achieved by controlling the technology stack interoperability, integration and support, ensuring both UMD and Enterprises can deliver and support the solution with confidence.

About UMD:

UMD is passionate about forming long term partnerships with our customers by delivering engineering, software and support services using emerging technologies. Our tailored solutions are for customers looking for a point of difference, by creating innovative technologies to help them succeed.

UMD's enterprise system consists of Data Capture Systems, Retail and Payment Technologies, Patron Access and Ticketing and Business Support Systems. UMD has delivered solutions to many industries including manufacturing, warehousing, supply chain, venues and attractions, ticketing, retail, transport, healthcare, agriculture and aviation.