Portfolio

UNIQUE MICRO DESIGN
...Engineering IoT Solutions

Products, Software, Services and Solutions to support your business.

"Adding eyes and ears to software"

SB-144.003

Products

RFID
Fixed, handheld and OEM readers, portals, antennae, printers and tags.

Mobility
Terminals, tablets, PDAs, wearables and vehicle mounted.

Printers
Industrial, desktop and portable barcode, RFID, POS and ID card printers.

Consumables
Plain, pre-printed, asset and RFID labels. Thermal transfer ribbons. ID tokens.

POS
Touchscreen terminals (fixed, mobile and kiosks). Cash drawers and peripherals.

Scanners
Barcode and RFID; fixed, handheld or wearable. OEM modules.

IoT
Gateways, devices and sensors. BLE, cellular, LoRa, Wi-Fi and wired.

After Sales
User replaceable parts, batteries and accessories.

Key Vendors

ADVANTECH · cardgate · EPSON · HEXICORE · Honeywell · ivanti

Milesight · SENOR · SOTI · TIMES-7 · TURCK · UNIQUE MICRO DESIGN ...Engineering IoT Solutions · ZEBRA

RFID Tag Vendors

ALIEN · AVERY DENNISON | RFID · CONFIDEX · HID | RFID · TROI RFID TAGS · UNIQUE MICRO DESIGN ...Engineering IoT Solutions · XERAFY · ZEBRA

Services

Design
Engineering, electronics design, software development, systems architecture, RFID solutions.

Deployment
Procurements, device pre-configuration, wireless site survey, installation, printing bureau services, tag encoding, manufacturing and assembly.

After Sales Support
Mobile Device Management, support contracts, service contracts, service and repairs, spare parts, accessories.

EPSON
Authorised Epson
Warranty Repair Agent

Honeywell
Authorised Service
Provider for printers

SENOR
Authorised Service
Centre for POS

Cloud Services

cardgate

A PCI-DSS certified payment service provider that makes it easy for businesses to add electronic payments to their business.

UMD BOS

A micro-ecommerce site to order goods, services and issue vouchers.

UMD CHARIOT

Broker used to integrate intelligent sensor networks and capture data from Edgeware devices.

UMD REAP

An inventory and asset management platform enabling retailers to incorporate real-time inventory tracking using RFID technology.

UMD TXP

A digital platform that helps regions and their marketing teams boost their visitor engagement by linking offers or experiences to tickets and events.
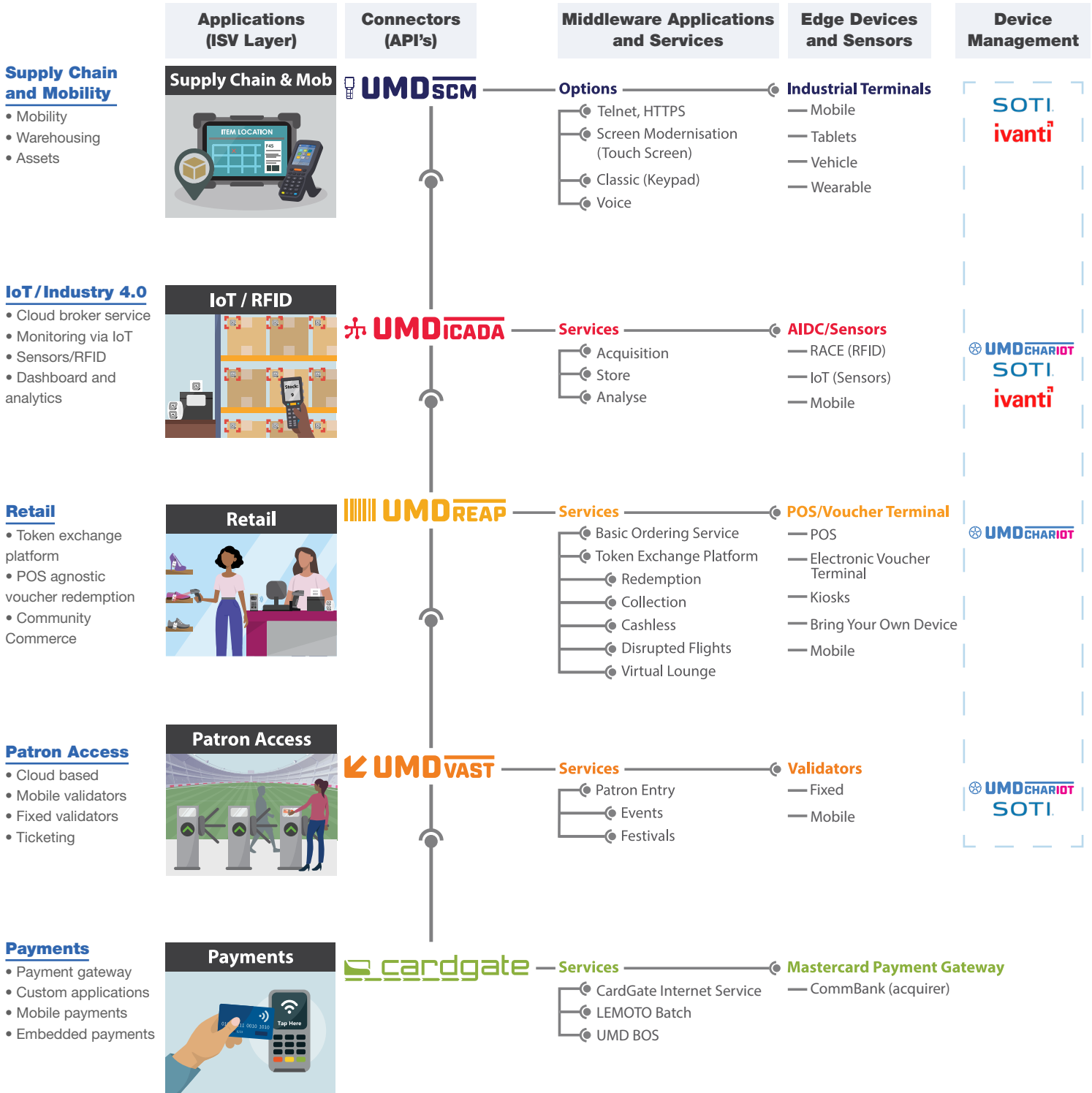
UMD VAST

Patron access and control software: real time access control, reporting, ticket lifecycle management, support for fixed or mobile validators.

Full Stack Managed Edge Solutions

UMD can engineer Edge Solutions which integrate both vertically and horizontally across our key managed service platforms, to meet customer specific needs.

Applications (ISV Layer)	Connectors (API's)	Middleware Applications and Services	Edge Devices and Sensors	Device Management

Supply Chain and Mobility
- Mobility
- Warehousing
- Assets

Supply Chain & Mob

UMD SCM

Options
- Telnet, HTTPS
- Screen Modernisation (Touch Screen)
- Classic (Keypad)
- Voice

Industrial Terminals
- Mobile
- Tablets
- Vehicle
- Wearable

SOTI
ivanti

IoT / Industry 4.0
- Cloud broker service
- Monitoring via IoT
- Sensors/RFID
- Dashboard and analytics

IoT / RFID

UMD ICADA

Services
- Acquisition
- Store
- Analyse

AIDC/Sensors
- RACE (RFID)
- IoT (Sensors)
- Mobile

UMD CHARIOT
SOTI
ivanti

Retail
- Token exchange platform
- POS agnostic voucher redemption
- Community Commerce

Retail

UMD REAP

Services
- Basic Ordering Service
- Token Exchange Platform
- Redemption
- Collection
- Cashless
- Disrupted Flights
- Virtual Lounge

POS/Voucher Terminal
- POS
- Electronic Voucher Terminal
- Kiosks
- Bring Your Own Device
- Mobile

UMD CHARIOT

Patron Access
- Cloud based
- Mobile validators
- Fixed validators
- Ticketing

Patron Access

UMD VAST

Services
- Patron Entry
- Events
- Festivals

Validators
- Fixed
- Mobile

UMD CHARIOT
SOTI

Payments
- Payment gateway
- Custom applications
- Mobile payments
- Embedded payments

Payments

cardgate

Services
- CardGate Internet Service
- LEMOTO Batch
- UMD BOS

Mastercard Payment Gateway
- CommBank (acquirer)

Markets We Service

Supply Chain and Manufacturing	Payments	Events	Agriculture	Retail and POS	Healthcare	Aviation

About UMD

Since 1983, Unique Micro Design (UMD) has been solving customers' needs for productivity improvement by adding real time visibility and control to software using edgeware, IoT and our engineering IoT solutions skills, which reflects our ability to:

• Design and manufacture IoT devices and interface electronics
• Source and integrate ICT products from our agencies
• Support through our professional engineering, software and support services

In simple terms UMD "adds eyes and ears to software".

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.

Founded 1983
By Geoffrey Ramadan (CEO and Director) and Harry Ramadan (CTO and Director)

Clayton, VIC
Part of the Monash Precinct, Australia's largest concentration of ICT industries

Staff
More then half in technical roles, solving customer's needs for productivity improvement

Edgeware
Edgeware focus means efficiency, effectiveness, ease and empowerment

IoT Solutions
Our engineering IoT solutions skills enables us to enhance products and their operations