E series
No more lost keys

Parity Medical offers professional project management and installation services, which are designed to get your project completed quickly, efficiently, and free up hospital resources. These services include:

- initial site surveys and technical assessments
- installations, which can be completed in phases and out of hours to minimise disruption
- super-user training for users and management

For more info on our professional services or to request pricing for the E series, please get in touch with our sales team, who will be happy to help. Our contact details are below.

Features

Save money, improve security and release more time to care with the E series. Developed in collaboration with the NHS, this innovative security solution means clinicians no longer need to ask "who's got the keys?" Utilising wireless security, the E series keeps medication and supplies safely locked away, whilst providing instant access to authorised staff as needed.

- ✓ Utilises RFID security technology to provide access to authorised staff
- ✓ Provides automated traceability with accurate business intelligence reporting
- ✓ Real-time information display to assist with paperwork details
- ✓ Audible alert for doors that have been left open to reduce the risk of unauthorised access
- ✓ Can be used on computer carts (WOWs), static medicine/ storage cabinets or a key safe
- ✓ Can be retrofitted to existing cabinets (vertically or horizontally) to provide maximum value at minimal cost
- ✓ Email notifications provide timely, important alerts for administrators

Benefits

- Secure storage at minimal expense
- Requires minimal user training with a fast adoption rate
- RFID security provides instant access to authorised staff only, whilst also providing traceability for access reports
- Reduces locksmith call-out costs to fix broken key locks
- Improves compliance for the for the safe storage of medicines
- Software based access control offers in-house system, user management and reporting capabilities
- Highly flexible, no fuss capability to quickly manage medication access for temporary agency/bank staff
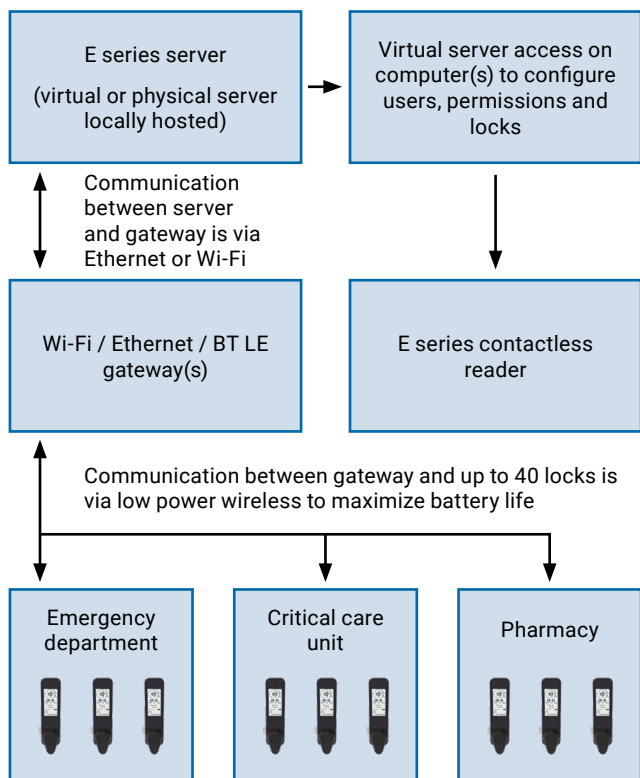- Proven to save time and money!

Recommended for

- ePMA carts / WOWs
- General medicine cupboards
- Controlled drugs cabinets
- Medication room storage doors
- High value storage cabinets
- Bedside cabinets
- Key cabinets
- Refrigerators

Areas of use

- Emergency departments
- Minor injuries units
- ITU/CCU/HDU
- Anaesthetic rooms and operating theatres
- Wards
- Maternity
- Children's wards
- Chemo/oncology units
- Hospices

Topology schematic

| E series server (virtual or physical server locally hosted) | → | Virtual server access on computer(s) to configure users, permissions and locks |

Communication between server and gateway is via Ethernet or Wi-Fi

| Wi-Fi / Ethernet / BT LE gateway(s) | | E series contactless reader |

Communication between gateway and up to 40 locks is via low power wireless to maximize battery life

| Emergency department | Critical care unit | Pharmacy |

Hardware

Lock   Gateway & contactless reader   RFID contactless access fobs

Virtual server

Lock specifications

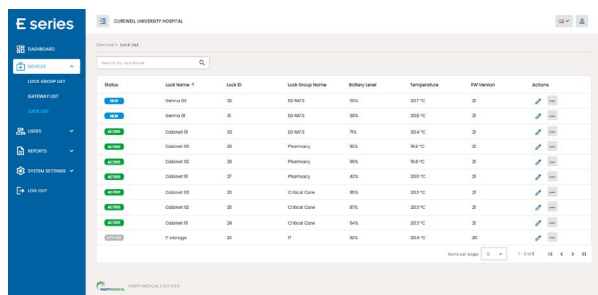|	
Power	3x AA 1.5v batteries (included)
Battery life expectancy	Minimum 30,000 cycles or 1 year (with normal operation)
Low battery detection	Local via E paper display & remote in software with email notification
Battery fail override	USB C cable with USB power bank
Sensors	Door alarm with beeper & LED, int & ext temperature, local & remote via software
RFID technology	ISO/IEC 14443-A communication, NFC Forum Type 4 Tag
RFID read range	Contactless up to 35mm
Display	2.13" E paper battery level, time, date, text label
Temperature range	0 to +50°C.Indoor use
Radio standard	IEEE 802.15.4 (2.4GHz) BLE. Encrypted AES 128 bits
Lock housing (outside door)	L 142mm (5.6") x W 40mm (1.6") x D 28mm (1.1")
Battery housing (inside door)	L 128mm (5") x W 35mm (1.4") x D 38mm (1.5")
Door thickness & materials	1 to 23mm (.05" to .9") wood, metal, plastic
Material & finish	Die cast zinc with chrome and GF Nylon with Anti-Bac

Gateway specifications

Radio Standard	IEEE 802.15.4 (2.4GHz) BLE. Encrypted AES 128 bits
Power-over-Ethernet (PoE)	802.3af/at or Micro-USB AC adapter 100-240V (50-60Hz), 0.6A
Uplink	Wi-Fi 2.4 GHz and 5GHz ISM band or 10/100 BASE-T Ethernet (RJ-45) uplink
Dimensions & weight	L 164mm (6.5") x W 164mm (6.5") x D 62mm (2.4"). 410g (14oz)

Server requirements

- Server 2019/2022
- Intel Xeon E-2386G or newer
- 16GB RAM minimum (32GB RAM recommended)
- 500GB - 1TB storage
- 1GB ethernet
- Hyper-V / VMware compatible

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