Hardware

Biolite

IP based Outdoor Fingerprint Terminal

- Rugged structure for outdoor installation and extra durability - IP65 rated waterproof and weatherproof structure.

- Easy installation and connectivity - Network interface by TCP/IP or RS485 Wiegand input/output configurable up to 64 bits.

- Easy operation and management Built-in keypad and RF card reader for multi-modal user authentication (Fingerprint, PIN, card).

- Slim and elegant design- Slick and Slim design for narrow spaces Graphic LCD, Multi colour LED.

Memory	8MB flash + 16MB RAM
Fingerprint Sensor	500 dpi optical sensor
Identification Speed	2,000 matches in 1 second
Fingerprint Capacity	5,000 fingerprints (10,000 templates)
Log Capacity	50,000 event
Size (mm)	60 x 185 x 40 (W x H x D)

SY-400 and PRX-20 card reader

- The SY-400/A is an access controller for the control of up to two doors, gates or other barriers. The SY-400/A is a part of a complete access control solution. All programming and monitoring functions is done via the web software. The controller is usually concealed in false sealing or control room.

- The PRX-2X series features an elegant proximity reader with a reading range of 5-10 cm. Suitable for a wide range of proximity readers based systems, such as Access Control and Time & Attendance systems. The reader is waterproof and therefore suitable for both indoor and outdoor use.

Technology	Prox 125khz / Mifare
Transit/Transmit distance	150-200mm
Dim (L/W/H) mm	12/45/21
Power supply	DC9-12V
Working temp.	-20 to +60C

SALTO – SALLIS: Wireless technology

- Fully integrated to Synel's software suite, using our web user interface.

- SALLIS is a cost effective technology as it dramatically reduces the installation costs based on traditional IP based access control. The on-line wireless devices are easy to install and does not require significant infrastructure.

ID technology	Mifare, Mifare plus, Desfire, HID, Legic
Battery	3x AAA batteries
Ingress protection rate	IP45 compliant
Door thickness	30mm to 115mm
Log capacity	600 event audit trail

SYNEL™ **EDU-REG**

What is Edu-Reg?

Edu-Reg is a web based suite of modular solutions for **managing pupil interactions with the common elements of School life**. It provides a simple and user friendly interface for the monitoring of student attendance with a web based electronic registration using biometric identification (fingerprint or facial recognition), security access control allowing visitor management, dashboard views, and mobile registration.
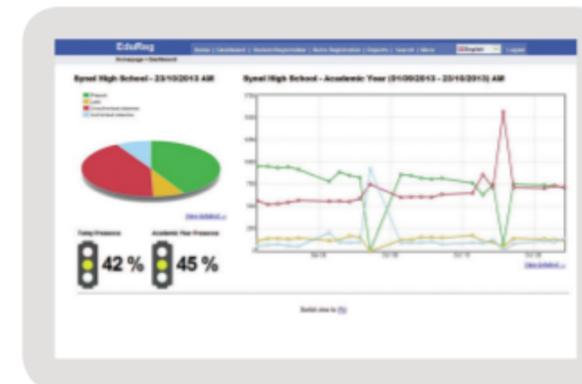
Specially created for the education sector, teachers will have the option to provide and upload their comments, but also update manually registration marks. There is also the option for the parents to keep track of their children attendance, thanks to Edu-Reg smartphone app.

Student Registration

In today's ICT driven world, the old paper/teacher based methods of student registration seem antiquated and outdated. We can help you to make the most of precious teaching time, and deliver **real reductions in mounting administration costs.**

This comprehensive system will help you and your school save time without the need for manual registration. This in turn **encourages students to take responsibility.**

Cashless Payment

Integrated cashless meals and payment solutions save time, money, hassle and reduce the social stigma around free school meals by delivering a transparent and seamless solution. Taking cash transactions out of the catering environment has many benefits speed of processing, security, greater control, less administration, the removal of cash handling issues for students as well as staff.

We offer three Tier solution for cashless operations. **Free school meals terminal**, which register FSM students with allocated fixed amount, but also **Cashless tills** allowing you to manage all sales of cashless meals and products. Full account and balance management, FSM products, VAT management, pre-order lunch app. And finally our **Full cashless environment**, and with that you can manage all sales of cashless meals and products. Full account and balance management. FSM products, VAT management, pre-order lunch app. Full print and copy control using same purse integrated with vending machines, cash loaders, and web payment providers.

Visitor Management

The Edu-Reg Visitor Management module was designed for the education sector to replace existing paper visitor books system used at reception desks. It simplifies the process of **signing visitors IN and OUT** whilst **increasing security, safeguarding students and staff**, and improving health and safety measures.

With optional sections for Staff and Students registration, the system provides a clear and accurate view of all visitors on site. Flexible and easily customised screen layouts allow users to add logos, change colours and text according to their own users preference.

School Registration System – Tablet Application

The Edu-Reg tablet app allows teachers and lecturers to use mobile, web enabled online devices for lesson and AM/PM registration. The tablet app enables easy registration of students or staff using smart cards, QR reading or through manual entry.
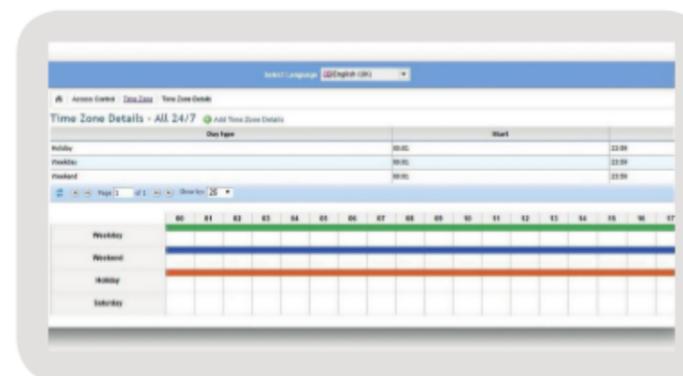

Access Control Management

Web Based Access Control Management

Access Control Solution

We all have valuable assets and people that need to be protected. The Access Control Management Module is a flexible solution which simplifies the complex task of **managing an access control system with numerous users and multiple readers.**
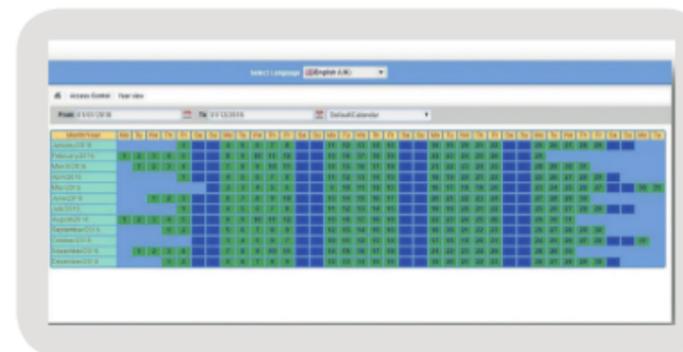
As a fully integrated module, access control is completely integrated with the core Attendance module for a truly compressive and effective solution.

This module is **especially powerful in a dynamic and ever expanding access control environment**, in which readers are added or moved and access rights and definitions change. The system enables the creation of specific and individual access credential by defining security groups, in which definitions of all of the possible control parameters can be customised and created. Many formats of Access control credentials are supported, Fingerprint, Face Recognition, RFID cards and fobs as well as PIN codes.

Key features:

A web based system (with HTTPS), real time monitoring, scalable, add to systems easily, integrate other building systems, supports unlimited time zones Red security groups, anti-pass back, connect multiple sites using TPC/IP protocol, access control report suite, internal/external door management, proximity, magnetic, mifare, HID and facial recognition.

Benefits:

- **Cost effective implementation**
- **Prevention of unauthorized access**
- **Robust and elegant construction**
- **Fully functional web based software**
- **Records and reports all access control activity**
- **Easy to expand and future proof**
- **Enforces security procedures implementation**
- **Powerful audit tool for investigation of events**