



iProtect™ Time & Attendance

iProtect™ time & attendance

Variable working hours, shorter working hours, part-time jobs, min./max. contracts, shift work; Time & attendance is becoming increasingly more complex and labour-intensive. And to top it off overtime, odd hours off, holiday and sick days must also be processed properly. iProtect™ helps you to manage these complex issues.

The software

A time registration system always records the number of hours that someone has been at work and compares this to the designated work schedule. It must also be possible to make calculations regarding less standard work schedules and calculations required by Collective Labour Agreements. iProtect™ time & attendance can handle all of these requirements with equal ease. The system can even make schedules and calculations for employees who have extremely varied working hours. Other plus points include the well-considered presentation of the results and the optimum user-friendliness for both employees and managers.

Daily management

No matter how conscientiously your employees clock their time, sometimes changes still have to be made. Sick days, leave of absence plans, adding forgotten entries: all changes are entered quickly and simply. Both for individual employees and for entire groups.

InfoBox

Employees can enter absences due to doctor appointments, a course or a business trip in the iProtect™ system. The InfoBox imitates a registration terminal on the PC. Thanks to the use of web-based technology, each employee can use this infobox at his or her own workstation, even if they work at home! All employees have to do is identify themselves with a password.

Balance registration

iProtect™ answers the familiar question "How many vacation days do I have left?" at top speed. Employees can also independently retrieve other balances such as variable working hours and shorter working hours via the time registration terminal or the personal InfoBox. The conditions placed on each of the balances can be set according to the applicable Collective Labour Agreements or company policies.

Hours justification

How much time is spent on a certain activity across the entire organisation? How many hours has a given employee worked for a certain client? iProtect™ time registration provides you with a clear overview of how your employees spend their working hours.

Reports

A time registration system can only be optimally utilised if the results are displayed in a manageable manner. This is why iProtect™ not only offers a large number of standard reports, but also a flexible report generator. This makes it easy for the user to compile every desired time registration report. With iProtect™ you can also run a trace report to determine how the calculations were made.

Interfacing

With iProtect™ time & attendance you can establish data links with employee information and salary processing systems and, for example, the temporary employment agency's hours processing system. What's more, you also have the added convenience of being able to supply report data as an export file for use in spreadsheet programmes such as Microsoft Excel.

Booking terminals

iProtect™ time & attendance can be supplied with one or more TC9010 registration terminals. These terminals are extremely user-friendly for both users and managers. The system informs an employee whether or not his or her registration has been accepted via an on-screen notification or an acoustic signal. The terminals offer the possibility of sending return notifications regarding shorter working hours, vacations hours, extra hours, etc.

System design

When designing the iProtect™ time registration system, IE Keyprocessor focused on scalability and reliability. In addition to a server, the system consists of intelligent substations (Stellar) and booking terminals (TC9010). The Stellar substations continue to work even if the connection with the hub fails. As a result registrations are stored and you are assured of the correct time registration data. iProtect™ time & attendance can also serve as part of a complete integrated security management system. As a result you can manage your entire building from one single system.

Technical specifications

TC9010

General

Dimensions (W x H x D)	165 x 164 x 82 mm
Voltage	16 – 28 Volt DC
Electricity	max. 280 mA
Interface	2-wire RS422/RS485, optional 4-wire
Security	Sabotage plug

Keyboard

Function keys	5 keys
Matrix keyboard	15 keys

Display

Characters	2 x 20
Type	LCD
Lighting	LED backlight

Type of card scanners possible

Magnetic strip	✓
Contact-free 125 KHz	✓
contact-free 13.56 MHz (Mifare®)	✓

Environmental factors

Temperature	-25 °C to 55 °C
Humidity	up to 95% not condensed
IP class	IP 54



The TC9010 booking terminal

Electro Mechanical Systems Limited

Eros House, Calleva Park, Aldermaston, Reading RG7 8LN
www.ems-access.co.uk
info@ems-ltd.com

Tel 0118 981 7391
 Fax 0118 981 7613