



iGuard GPRS

Anytime, everywhere.



Introduction.

This is a new model that has an external GSM/GPRS module that allows transmission of time attendance data through GPRS network. Data is sent to a PC in few seconds.

Description.

With this new GPRS model you can think about applications that before were difficult or impossible to actualize. In fact with the GPRS technology you can now use iGuard in all places where is not possible to set up a LAN connection. Another big advantage is the possibility to transit data through Internet without changing any value of the corporate network setup, that often requires complicated procedures.

Applications.

Some possible applications can be:

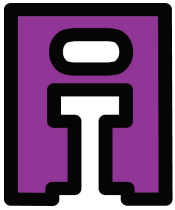
- mobile yards
- in general all jobs that require mobile or open space working
- companies with many branches
- all places where is difficult to setup a cable network connection.

How it works.

The system sends the time attendance (TA) records from iGuard to a PC that has to be configured with a public IP address. A dedicated software which has to be installed on the PC then catches TA logs. In the external GSM/GPRS module is inserted a GSM SIM card that sends the data. All transactions can be transmitted in real time, in groups or in time slots. The records are transmitted to the PC in few seconds.

Costs.

Our standard company policy is to offer products at reasonable prices, where we reach honest, not high profit margins. That's why we adopted a cheap price also for this product. At the same time, the cost of GPRS data transition is low. In fact, on the basis of operators price lists 10,000 logs can be sent with 1 Euro.



iGuard Technical Specification

Available models	LM520-SC-G (card reader only) LM520-FSC-G (card and fingerprint reader)
Power	12VDC, 600mA
Fingerprint sensor	500dpi (model -FSC only) - Capacitive
RFID card reader	Mifare 13,56 ISO 14443A
GPRS Module	Quad-band EGSM 850 / 900 / 1800 / 1900 MHz
Web and Database Server	Embedded
Network security (SSL)	Optional
Auto Data Synchronization (i.e., master / slave configuration)	LAN interface only
Max no. of stored records	10,000
Static or Dynamic IP address	YES (Support existing DHCP Servers)
Non volatile memory	16MB
Supported PC (with web browser)	Macintosh, Windows 95/98/NT/ME/XP, VISTA, Linux and Unix Machines
Employee ID valid characters	0-9, A-B (max 8 char)
Supported languages	English, Italian, Spanish, Portuguese, French, Japanese, Polish, Slovenian, Croatian, Arabic, Albanese, Chinese, Russian, Hungarian.
Display	16 x 2 LCD back lighted
LCD Display Multilanguage support	Yes
Two Finger Enrollment	Yes
Fingerprint (FP) scan area	12 x 15 mm
FP reading time	< 1 sec.
FP verify time	< 1 sec.
False Rejection Rate	< 1 %
False Acceptance Rate	< 0.01%
Automatch Count	30
GPRS Data	Class 10
GPRS Sensitivity	-107 dBm (typ.) @ 850 / 900 MHz -106 dBm (typ.) @ 1800 / 1900 Mhz
GPRS transmission power	Class 4 (2W) @ 850 / 900 MHz Class 1 (1W) @ 1800 / 1900 MHz
Network protocol	GPRS, TCP/IP, HTTP
Network interface	Ethernet (100-Base T)
Other supported interfaces	Wiegand (Output Only)
Dynamic DNS	Yes
Clock lifetime	around 2 days without power
External controls	Door Strike Open-Door Switch Break-in Alarm Door Status
iGuard dimensions (mm)	105(W) x 38(D) x 150(H)
Module dimensions (mm)	107 x 64 x 33 mm
Certifications	