



- Biometric card authentication
- Fingerprint sample stored on proximity card
- Resistance to forgery
- Assures privacy
- Fast and easy to use
- Stand-alone or PC controlled operation
- LAN or TCP/IP network operation
- Direct actuator and alarm drive



Suitable applications

IMMPro terminal is designed to work with:

- access control systems
- time & attendance systems
- benefits administration systems
- many other application domains

Terminal can work in stand-alone or network mode with computer connected via RS-232/485 interface or Ethernet TCP/IP network. Wireless operation is available as an option.

Functional description

Innovative terminal **IMMPro** integrates biometric fingerprint technology with RFID. Device authenticates person comparing biometric pattern stored on the card with the sample acquired and then executes previously programmed action.

Device is easy to operate and requires user to carry out only two activities – nearing card to the terminal and placing finger on the sensor to start verification process.

Storing biometric data on the proximity card memory prevents its unauthorized use providing high security level.

Modern RFID technology gives usage comfort and ability to store sensitive personal data on the identification cards.

IMMPro is compatible with **XChronos** – time & attendance and access control software system.

Security

Biometric technology utilized in **IMMPro** provides highest level of security in time & attendance and access control systems.

Technical specification

False rejection rate (FRR)	1 %
False acceptance rate (FAR)	0,005 %
New user registration time	< 3 s
Card read time (biometric sample)	< 1 s
Verification time	< 1 s
Number of events stored	up to 30 000
Alphanumerical display	2x16 letters
Digital – functional keyboard	4x4 keys
Interface	RS-232, RS-485, Wiegand, Ethernet
Head type	capacitive
Input power	DC 12 V, 1 A

Software

IMMPro terminal works under control of **XChronos** (standalone or client-server version) software system developed in Institute of Mathematical Machines.

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