



Main features

- Biometric verification based on finger vein pattern
- Contactless biometric data read
- Resistance to fraud
- Fast and easy to use
- Stand-alone or PC controlled operation
- LAN or TCP/IP network
- Direct actuator and alarm drive

Technical specification

False rejection rate (FRR)	< 0,01 %
False acceptance rate (FAR)	< 0,0001 %
New user registration time	< 20 s
Verification time	< 1,5 s
Number of events stored	up to 60 000
Display - touch screen	color TFT 3,5"
Digital functional keyboard	touch
Functional keys	4
Interface	Ethernet, RS-232/485
Interoperability with other access control systems	Wiegand interface
Sensor type	Hitachi Finger Vein 609UE
RFID head	Mifare
Operating temperature range	0-40 °C
Input power	DC 12 V, 1,5 A

Suitable applications

VeinGuard terminal is designed to work with:

- access control systems
- many other application domains

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

Functional description

VeinGuard utilizes innovative biometric technology of finger vein pattern recognition. Terminal authenticates a person by comparing vascular pattern sample stored in memory with biometric data acquired and then executes previously programmed action. Device is easy to operate and requires user only to enter a PIN code and put his finger on the sensor to start verification process.

Security

Innovative biometric finger vein recognition technology implemented in VeinGuard provides highest level of security.

Software

VeinGuard terminal works under **XChronosBio** – access control software system developed at Institute of Mathematical Machines.



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VeinGuard terminal
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