

Gauss GV3000-P36 Palm Vein System

All in one



Feature

- ⚡ **Infrared Sensors:** The palm vein system uses **infrared sensors** to test for absorption and reflection. Deoxidized hemoglobin in the bloodstream absorbs infrared light while other parts of the hand reflect it, resulting in the distinctive pattern.
- ⚡ **Difficult to forge:** The pattern is said to be much more **difficult to forge** than a fingerprint or hand geometry.
- ⚡ **Contact less:** Because the user's hand **doesn't come into contact with the sensor**, the palm-vein method is acceptable to people who dislike touching something immediately after someone else. It also doesn't have the criminal connotation of requiring the user to be fingerprinted before it can be used.
- ⚡ **Lowest Error Rate:** According to information from Fujitsu that palm-vein system will incorrectly reject an authorized user about once every 10,000 scans and incorrectly accept an unauthorized user about once every 1.25 million scans. In contrast fingerprint sensors erroneously accept an unauthorized user about once every 100,000 scans, and "All companies, including Fujitsu, have a vulnerability on fingerprints"
- ⚡ **More secure:** This makes for a system that offers a higher level of security than competing technologies including voice print, facial recognition, fingerprint recognition, and iris scan, according to Fujitsu. For this reason, it's finding favor in applications where security needs are high, especially those involving money or human lives. In addition to the recent bank ATM deals, the system has also been adopted by the University of Tokyo Hospital for access to some rooms in the hospital that hold patient's records or computers with personal data. The hospital had previously used a fingerprint-based access system but upgraded because the palm-vein system offers higher security.
- ⚡ **Integrated and built in Fujitsu Palm Vein sensor:** The sensor area is 35mm by 35mm.
- ⚡ **Communication:** Built in Ethernet port (TCPIP protocol) for communication.
- ⚡ **For Time Attendance System & Access Control System.**
- ⚡ **Near 100% successful enrollment rate and lowest fault rate, suitable for Enterprise, Official, Bank, ..etc.**

Specification

◆ Display	2 lines x 24characters
◆ Voice	
◆ Keypad : 16 Keys	0-9, R (enter), DEL, F1-F4
◆ Palm Vein Scanner	
Sensor	Near Infrared sensor
Sensor area	35mm * 35mm
Template data	832bytes to 24480bytes
Matching speed (1 to 1)	less than 0.07- 0.25 second (depend on CPU)
Scanning speed	1.0 – 2.5 seconds (depend on CPU)
FRR	less than 1% (include more once)
FAR	less than 0.001%
◆ Central Processing Unit	32 bits
◆ Capacity	Users more than 1,000 persons (large capacity model >10,000 persons) Each person 2 templates of Palm Vein Log data more than 10,000 records
◆ Access Control	
2 Input	Magnetic sensor, switch Button
2 Output	EM Lock, Alarm
Relay output	30VDC 1A or 100VDC/125VAC 0.3A
◆ Ethernet port RJ45	TCP/IP
◆ RS232 port	Reserved (call)
◆ WIEGAND output	Optional (call)
◆ Size (cm)	16.0(W) * 25.0(H) *11.5(D)(Including mounting frame)
◆ Weight	3200g
◆ Power	Adapter output DC 12V/ 4A

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