



Product Data Sheet

4GFVST

4G FingerVein Station / Hitachi Finger Vein Sensor Module

A Powerful and Flexible Solution Utilizing Vein Technology

The 4G FingerVein Station is a full featured device utilizing industry leading finger vein technology and is built on the L-1 4G multi-biometric platform. The device unleashes a combination of power, usability and design to address Access Control and Time & Attendance requirements of any size anywhere around the world.

Demands of Today and the Future with a Scalable Platform

Quick throughput, deployment flexibility, and the ability for the system to expand over time address today's demands and are drivers for future requirements. Ensure employees gain fast access with proven finger vein technology. Accommodate enterprise installs with storage of 500,000 templates for 1:1 verification. Eliminate the need for cards and PINs - store 1,000 templates for 1:N.

Meet Challenging Security Requirements

A full range of options are available for different security requirements. Remove install constraints with options for single-, two- or three-factor authentication. Reduce cost and complexity with built-in door relay and controls. Add safety and security measures for employees with the duress finger option.

Reduce Maintenance Costs

Save time and drive down the cost of ownership with a communication-ready connected smart device, containing new installation and maintenance capabilities. Leverage the latest communication standards. (Ethernet, POE, and Wireless LAN (WiFi). Quickly perform maintenance with our innovative field replaceable sensor modules. Take full advantage of IP connectivity for remote device management.



Standard Features

- Largest Template Capacity in the Industry (500,000 in 1:1)
- Optional Integrated Card Readers (Prox, iClass, or MIFARE / DESFire)
- 4G fingerprint and 4G finger vein devices can be used together for mixed installation requirements
- A single application, SecureAdmin, is used to monitor and control all 4G devices
- Full Color 2.5 inch LCD Screen and Integrated PIN pad
- Programmable Function Keys for up to 16 Time & Attendance Commands
- Industry Leading Finger Vein Sensor Technology from Hitachi
- Field Replaceable Sensor
- Full IP and POE Enabled (Optional Wireless LAN)
- Standalone Door Access Control (SDAC) Capabilities
- Tamper Detection

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Specifications

Dimensions	
Length	274 mm (10.8")
Width	120 mm (4.7")
Depth	122 mm (4.8")
Communications	
Networking Options	LAN, WAN, RS485
PC Connection:	USB, RS232
External Media	USB Memory
Input/Outputs	
	Wiegand (Customizable format up to 254 bit)
	3 general purpose inputs
	3 general purpose outputs (Extendable to 6 outputs)
Fingerprint Sensor Options	
Standard	Hitachi Finger Vein Sensor Module
Internal Card Reader	
4G Vein (Prox)	Integrated Reader for proximity Cards
4G Vein (Smart)	Integrated Reader for Mifare/DESFire cards
Template Storage Capacity	
	500,000 per unit for 1:1 verification
	1,000 per unit in 1:N identification (standard)
Transaction Log Capacity	1 Million transaction logs stored on device
Authentication Modes	
4G Vein (Base)	Finger-only single-factor authentication
	Card or PIN + Finger (with an external reader)
4G Vein (Prox)	Prox Card + Finger
	Prox Card Only
	Finger Only
4G Vein (Smart Card)	Smart Card + Finger
	Smart Card + Finger + PIN
	Finger Only
	Card Only
Template Support	L-1 BUR template structure with support for Hitachi finger vein
Power over Ethernet (POE)	Standard
Voltage	12 - 24V DC
Current Draw	500 mA, 0.5 amps @ 12 VDC
Power Indicator	LED indicator (Blue)
Integrated Door Relay	Deadbolt, electromagnetic (EM) lock, door strike, automatic door
Mounting	Flush mount with field replaceable sensors for easy maintenance
Operating Temperature	0° - 60°C (32° - 140°F)
Approvals and Certifications	FCC, CE , R&TTE, RoHS
Administration Software Options	Works with Secure Admin Software

Increase Workforce Management Efficiency

Address workforce management with biometric enabled Time & Attendance capabilities. Improve communication by sending real-time workforce notifications. Provide clear instructions with programmable function keys for Time & Attendance. Eliminate lost transactions with the capability to store 1 Million transaction logs.

Finger Vein Benefits

The use of near-infrared light to gather biometric data means that the condition of the skin surface does not affect accurate processing. Veins are inside the body, invisible to the eye, and not accessible. Therefore, it is extremely difficult to forge and impossible to manipulate. Unique vein patterns plus leadingedge technology translates to high accuracy rates.

Ordering Information

Part No.	Description
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